

19991213.qrp v01\_n668.qrl.991213

Date: Mon, 13 Dec 1999 19:03:04 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1668

QRP-L Digest 1668

Topics covered in this issue include:

- 1) [57853] Ce-Qu Diez Metros & other follies  
by Nils R Young <nilsbull@juno.com>
- 2) [57854] RE: Antenna Supports  
by N10DL@aol.com
- 3) [57855] QRP+ vs. QRP++ - major differences?  
by Jim Lowman <jmlowman@ix.netcom.com>
- 4) [57856] HB: Drawing program input wanted  
by Rod J Johnson <ka7you@juno.com>
- 5) [57857] Re: QRPp DX on 10 mtrs  
by K2UD@aol.com
- 6) [57858] CONTEST: ARRL 10 m contest  
by n5ib@juno.com
- 7) [57859] 10 Meter Contest  
by Larry Cahoon <wd3p@juno.com>
- 8) [57860] Just one more...But this is a bit weird.  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 9) [57861] Re: Drawing program input wanted  
by "George Heron N2APB" <n2apb@erols.com>
- 10) [57862] re: Antenna Tree Supports  
by "Bruce Prior" <n7rr@hotmail.com>
- 11) [57863] Summary of Warren Gregoire Headset Comments  
by "David Beach" <dbeach@blvl.igs.net>
- 12) [57864] Re: micro vs. milli denotation?  
by "Carlos J. Caro" <cjcaro@nail.com>
- 13) [57865] ARRL 160 Meter Contest..de Jack, WA7LNW  
by Jack Reed <wa7lnw@infowest.com>
- 14) [57866] ARRL 10 Meter Contest, de Jack, WA7LNW  
by Jack Reed <wa7lnw@infowest.com>
- 15) [57867] Headsets  
by Dwayne Rich <emergmed@netzero.net>
- 16) [57868] 10m CONTEST  
by "Don Wines" <dwines@tyler.net>
- 17) [57869] Re: Headsets  
by "Mark Hogan" <mhogan@email.msn.com>
- 18) [57870] Heil info  
by tom whalen <wb5qyt@eFortress.com>
- 19) [57871] Re: 10m CONTEST

- by "Don Wines" <dwines@tyler.net>
- 20) [57872] Knightlites Round Table  
by "George F. Allgood" <k4pym@carol.net>
- 21) [57873] Re: Little Softshoe....Extra Theory History!  
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
- 22) [57874] DX394 Manual  
by "Thomas Moll" <n0bs@compaq.net>
- 23) [57875] Re: HB: Drawing program input wanted  
by Mike Czuhajewski <wa8mcq@erols.com>
- 24) [57876] Re: QRP balanced feedline "discovery"  
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 25) [57877] Re: 10m Contest  
by w4pj@w4bkx.ampr.org
- 26) [57878] CONTEST: 10m  
by Monte Stark <ku7y@dri.edu>
- 27) [57879] =?iso-8859-1?Q?Re=3A\_micro\_=28=B5=29\_vs=2E\_milli\_=28m=29?=  
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 28) [57880] RE: Books needed on Radio electronic RX and TX  
by Karl Kanalz <KKanalz@excel.com>
- 29) [57881] RE: Keeping your wire antenna in the trees  
by Karl Kanalz <KKanalz@excel.com>
- 30) [57882] HELP: Fw: Books needed on Radio electronic RX and TX  
by "Walt Amos" <waltamos@surfree.com>
- 31) [57883] HELP: Fw: QRP balanced feedline "discovery"  
by "Walt Amos" <waltamos@surfree.com>
- 32) [57884] Re: ANT: The rationale of using Ladder line on Non resonant Antenna  
by Curt Milton <wb8yyyy@yahoo.com>
- 33) [57885] HB: Quest for the Perfert QRP Rig Enclosure  
by Sam Billingsley <SBillingsley@usaninc.com>
- 34) [57886] Solder Station  
by "jmb" <jmb@cruzio.com>
- 35) [57887] Re: QUESTIONS  
by Maurice L Haynes <kv7g@juno.com>
- 36) [57888] Hexbeam Antenna  
by Robert Radtke <rradtke@hutman.net>
- 37) [57889] Re: Quest for the Perfert QRP Rig Enclosure  
by "Charlie Fitts" <cfitts@neca.com>
- 38) [57890] RE: Vacuum tube rigs for milliwatting A LOT OF FUN !  
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 39) [57891] Speaker rebuilding info  
by tom whalen <wb5qyt@eFortress.com>
- 40) [57892] Re: Solder Station  
by Jim Durkin <jimdurkin@yahoo.com>
- 41) [57893] Re: Rationale of Ladderline...  
by w4pj@w4bkx.ampr.org
- 42) [57894] HELP: Grundig YB-400 manual  
by Mike Maiorana <mikemo@attglobal.net>
- 43) [57895] Re: Speaker rebuilding info

by "Mike Yetsko" <myetsko@insydesw.com>  
44) [57896] RE: Speaker rebuilding info (Heil)  
by Karl Kanalz <KKanalz@excel.com>  
45) [57897] RE: Antenna Supports  
by Jim Durkin <jimdurkin@yahoo.com>  
46) [57898] Re: ARRL 160 Meter Contest..de Jack, WA7LNW  
by Dean W Manley <kh6b@juno.com>  
47) [57899] test  
by QRP <qrp@email.com>  
48) [57900] Canadian Supplier Didn't stand by W/Tee  
by Dave Barrett <DBarrett@creo.com>  
49) [57901] Norcal Net/QRQpractice net.  
by Ed Loranger <we6w@qsl.net>  
50) [57902] HB: IC-MT02B info needed  
by David Shalita <af389@lafn.org>  
51) [57903] CONTEST: 10m  
by Monte Stark <ku7y@dri.edu>  
52) [57904] Re: Canadian Supplier Didn't stand by W/Tee  
by Ray Colbert <af852@rgfn.epcc.edu>  
53) [57905] RE: Keeping your wire antenna in the trees  
by "AI2Q Alex" <ai2q@ispchannel.com>  
54) [57906] FT-7 Power Amplifier help?  
by "Frank Krozel" <frank@electronicinstrument.com>  
55) [57907] RE: O-Scopes  
by "Mugleston, Brad" <brad.mugleston@gwl.com>  
56) [57908] QRQ NET PRACTICE Sentences:  
by Ed Loranger <we6w@qsl.net>  
57) [57909] Re: HB: Quest for the Perfert QRP Rig Enclosure  
by Ray Colbert <af852@rgfn.epcc.edu>  
58) [57910] Wire Antenna Weights  
by wgabriel@dukeengineering.com  
59) [57911] NC20 in Pakistan  
by Jim Henry <jhenry@west.net>  
60) [57912] Re: CONTEST: 10m  
by Bruce Rattray <rattray@gpfn.sk.ca>  
61) [57913] HR4K: Ham Radio for Kids update  
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
62) [57914] Learning Code  
by hattonte@gdls.com  
63) [57915] 10M contest & Knightlites Holiday mW test coming  
by Jim Hale <kj5tf@yahoo.com>  
64) [57916] bands must be open...  
by Mighty Mik <mitymik@wenet.net>  
65) [57917] 10 m contest fun!...MFJ CUB  
by tom whalen <wb5qyt@eFortress.com>  
66) [57918] Punching holes in tin box  
by chuck.olson@sbaonline.gov  
67) [57919] FS: GM-15 kit with case

by Roger Traylor <traylor@ECE.ORST.EDU>  
68) [57920] Re: bands must be open...  
by "Chuck Carpenter" <w5usj@globeco.net>  
69) [57921] Re: Solder Station  
by "Phinizy, William" <wphinizy@filenet.com>  
70) [57922] Re: CONTEST: ARRL 10 m contest  
by K2UD@aol.com  
71) [57923] Re: HELP: Grundig YB-400 manual  
by Mike Maiorana <mikemo@attglobal.net>  
72) [57924] Learning Code is Easy  
by QRP <qrp@email.com>  
73) [57925] Re: NC20 in Pakistan  
by "Ron Polityka" <wb3aal@talon.net>  
74) [57926] RE: Learning Code is Easy  
by Kyle Lusk <klusk@bhm vending.com>  
75) [57927] 10m contest and Email callsign server and etc  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
76) [57928] Re: Learning Code is Easy  
by "J. Ervin Bates" <w8erv@email.msn.com>  
77) [57929] Weller Stations on Sale !!  
by "Radman" <radman@best.com>  
78) [57930] Re: Learning Code is Easy  
by Tom Palmer <n1tp@worldnet.att.net>  
79) [57931] Re: Learning Code is Easy  
by Ed Loranger <we6w@qsl.net>  
80) [57932] Re: Balanced Feedlines  
by "Ed Manuel (N5EM)" <n5em@flash.net>  
81) [57933] Re: DX394 Manual  
by "Michael A. Newell" <wb4huc@texas.net>  
82) [57934] Re: Learning Code is Easy  
by "Mike Yetsko" <myetsko@insydesw.com>  
83) [57935] How CW on FM?  
by mjfitz@uswest.net  
84) [57936] Re: Learning Code is Easy  
by Richard Matthews <prm@hiwaay.net>  
85) [57937] Re: Weller Stations on Sale !!  
by neil <neil@aade.com>  
86) [57938] RE: How CW on FM?  
by "Mike D." <hrg@megsinet.net>

---

Date: Sun, 12 Dec 1999 18:34:15 -0500  
From: Nils R Young <nilsbull@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [57853] Ce-Qu Diez Metros & other follies  
Message-ID: <19991212.183604.-547755.5.nilsbull@juno.com>  
MIME-Version: 1.0

Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Gang,

You can tell I ain't no contestor. I keep my log with pen & paper & sit on a frequency for at least 15 minutes, listening to who's calling whoever's calling CQ Contest before trying my hand. But inspite of all that, I managed to work some places that I didn't even know existed or couldn't find a prefix for in my 3-year-old list of DX prefixes.

TM8 . . . Where's that? Turkey? Iceland? Afrika? Kwanzaa?

P40 . . . Where's that? Aruba? Arriba? Hasta el tope? Pasa el mate?

Well, that's two of 'em. And last night, when everyone else was listening to their old Rubin & the Jets tapes, I snuck into the control room & erased all the chickens . . . Worked about 9 or 10 Texas stations in a row. At 10W from the K2. This morning I wanted that TM8 contact so bad I turned on the TR7.

Then Cindy & I went to the store. Christmas shopping. Yeah, right. We ended up in Sam's again, and in addition to the 50 lbs of wild bird seed (cat food feed), I picked up a couple kilos of oranges. From Vall de Uxo (Castellon). I looked at the place (Vall de Uxo) and thought "Hmmm . . . Where's that? Euskadi? Turkey? Iceland? Afrika? Kwanzaa?" So I bought 'em. Hmm . . . hmmm. . . . hmmm!

I ain't been out in the shack since. Made spaghetti dinner for Cid while she was out. We communicate by radar. Dinner was ready when she came in the door. So naturally I had to clean up, mainly 'cause the youngest hadn't done his homework. ("Come down here & help me clean up the kitchen!" "Pop! I can't! I have to do my homework!") Later on I'm gonna make some birthday cards for my sister. Send her stuff from The Institute for Conceptual Debunking of Inflammatory Flatus or someplace. I send her about 12 cards every birthday, per year. Keeps her hoppin'.

So where is TM8?

Hope you buzzard beaks had fun on 10. It was hot, dudes. Hot. Courtney Cox hot.

73

Nils

. . . Last week we had the "work 'em at night" contest. This week we had the "work 'em during the day" contest. The propagational equivalent of the Yin & the Yang. Two fish swimming in circles, per omnia saecula

saeculorum.

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes  
Sonrientes

<http://home.fiberia.com/wb8ijn> -- WB8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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Date: Sun, 12 Dec 1999 19:42:57 EST

From: N10DL@aol.com

To: qrp-l@lehigh.edu

Subject: [57854] RE: Antenna Supports

Message-ID: <0.e67fd9b5.25859b11@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

What I did to put up my G5RV and my Windom was to use my wife's diving belt weights ( Yes I did promise to buy her a new set before next spring) which are 4 Lb. each, they come in different weights, and tied them to the dacron which is hung between the branch on one tree and the same on the other side. My tree's also have quite a "swing " to them. The antenna does move up and down, but it is not pulled very tight while it moves. So far so good...

Good Luck

Hope this works for you.

Aron

N10DL

Bedford, NH

-----

Date: Sun, 12 Dec 1999 16:50:04 -0800

From: Jim Lowman <jmlowman@ix.netcom.com>

To: qrp-l@lehigh.edu

Subject: [57855] QRP+ vs. QRP++ - major differences?

Message-ID: <385442BC.EB7EBAF1@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have an Index Labs QRP+ in mint condition, and have had a couple of opportunities to buy a QRP++ recently.

Got a good deal on the QRP+ from a fellow in Salt Lake City, when Index Labs was still manufacturing these gems. Not only was it in mint condition, but it appeared that it had never been used - the DC power cord leads looked brand new.

Anyway, I was tempted to send the radio in for a factory upgrade to the "++" model, but thought that a \$250 upgrade for a \$595 radio was a bit much to pay.

Can I get some advice on whether it is worth continuing to search for a QRP++ or am I just as well off with the QRP+ anyway?

Larry - W1HUE - I recall getting a copy of the mods for the QRP+ from you at Ft. Tuthill. Maybe you could comment, too?

Thanks in advance and 72 de Jim - AD6CW

-----  
Date: Sun, 12 Dec 1999 20:06:17 EST  
From: Rod J Johnson <ka7you@juno.com>  
To: QRP-L@LeHigh.EDU  
Subject: [57856] HB: Drawing program input wanted  
Message-ID: <19991212.180958.7135.0.ka7you@juno.com>

Oh knowledgeable members of the group...

I'm looking for a simple and relatively inexpensive drawing program (like a basic CAD program) for simple applications like drawing panel layouts, plot plans for the antenna farm and shack layout purposes.

I used KeyCad a couple of times, but was not impressed, and now I can't even find the discs to reload it onto the computer.

Is there any shareware 'Paint' or 'Draw' program out there which has dimensioning capabilities along with the usual doodling functions?

I think I have another draw program here-somewhere, but can't find it, so I'm looking for ideas.

Thanks,

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.

VHF thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

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-----  
Date: Sun, 12 Dec 1999 20:09:21 EST  
From: K2UD@aol.com  
To: K5KW@aol.com  
Cc: qrp-1@lehigh.edu  
Subject: [57857] Re: QRPp DX on 10 mtrs  
Message-ID: <0.6241d620.2585a141@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

How about JF1SQC with 500mw? It can be done on 10M easily!

72

Howard Kraus, K2UD

-----  
Date: Sun, 12 Dec 1999 20:22:29 EST  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [57858] CONTEST: ARRL 10 m contest  
Message-ID: <19991212.192055.12335.0.N5IB@juno.com>

Not too many other chores to do so played radio quite a bit this weekend

Didn't finish the CW mod for the HTX10 in time so used TS430 on cw and HTX10 on ssb, both turned down to 5 W. All S&P. Antenna a quarterwave vertical, with two radials, at 20 ft. The HTX10 faired very well. Biggest shortcoming was desensing due to strong adjacent signals. Convenient to tune using the UP/DN on the mic to get close in S&P mode then fine tune from there.

315 QSO's, 231 CW, 84 ssb --> 1092 QSO pts X 124 multipliers =  
135,408 points

Highlights: W1AW on ssb (erased my cw disappointment during SS) , AK, and a pair of HI, as well as RI, NH, VT, & ME. About 30 DX mults... Heard one bicycle mobile, from TX

Missing: N4BP - only heard one FL the whole weekend.

Only announced QRP status to one station - W1AW - that's for Ed's sake  
:^)



73

Jim N5IB

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Date: Sun, 12 Dec 1999 23:54:25 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [57859] 10 Meter Contest  
Message-ID: <19991213.012258.4294.1.wd3p@juno.com>

I just played around in the contest. Final score was 126 QSOs - 52 mults for 26,208 points.

It was a fun one. Ten still does not seem up to par with what I remember of the early 90's. But it is getting better. Propagation was as expected. Got mostly Europe, South America and the US. Did get AK, HI is in the log twice. The hard ones were the nearby states. Ten still had a fairly long first skip. It was hard to get anything closer than 800-1000 miles.

I still have to check the logs but I know I got a few new ones on ten. Now I have to get the QSL's together and figure out if I got any new counties in the contest.

73 de Larry.....WD3P

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Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.  
-----

Date: Sun, 12 Dec 1999 20:30:00 -0500  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>  
Subject: [57860] Just one more...But this is a bit weird.  
Message-ID: <38544C18.2B0301DD@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well...After this weekend's 10 meter contest I now have 49 states in the qrp log and only one to go. The crazy thing is that the state I need is Delaware. Right next door to Good Ole' NJ. Is there any Delaware QRP person who might like to fire up on 40 one evening this week to help me finish the job???

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Sun, 12 Dec 1999 20:34:32 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: <ka7you@juno.com>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [57861] Re: Drawing program input wanted  
Message-ID: <00c501bf450a\$37e669e0\$4a98accf@ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My all-time favorite drawing package for schematics, graphic diagrams of any type, importing and annotating of JPEG/GIF/etc picture files, and whatever else is ... MS Powerpoint.

Powerpoint comes with the Office 95/97/2000 suite of applications, produces nicely scalable graphics so you can shrink or enlarge as needed, and you can do great detail if you draw at 200% enlargement. Importing and exporting of graphic objects among other common applications (e.g., Word, Excel, Front Page, etc) is a breeze.

PP graphics print out nicely then too (even if lines look jagged at normal 100% viewing, because of display screen sampling artifacts). Take a look at any of the schematics and graphic diagrams in QRP Homebrewer, any of the NJ kits, and files on the NJ website for examples.

Yes, I know, it's Microsoft and it'll cost you something if you don't already have it ... but it works nicely.

72, George N2APB

n2apb@amsat.org

----- Original Message -----

I'm looking for a simple and relatively inexpensive drawing program (like a basic CAD program) for simple applications like drawing panel layouts, plot plans for the antenna farm and shack layout purposes.

-----  
Date: Sun, 12 Dec 1999 18:06:23 PST  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [57862] re: Antenna Tree Supports  
Message-ID: <19991213020623.17408.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

The suggestions by NV4V were good. I'll add just one thing. Make sure that your actual connection to the tree is done with with a bolt that goes all the way through the diameter of the tree or with a heavy eye screw that goes in part way. The tree will hardly notice the intrusion. What you need to avoid is some attachment method which wraps something around the circumference. The live part of the tree is just under the bark around the outside, and you will cut off the connection between the root system and the entire part of the tree above the circle-wrapping. Since I live in a sea-coast town, I found a used heavy lead fishing weight for my counter-balance. I use perlon rope to connect the antenna with the counter-weight through a cheap hardware-store pulley. It's survived some very heavy winds.

72, Bruce Prior N7RR in Blaine, WA

-----  
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-----  
Date: Sun, 12 Dec 1999 21:27:07 -0500  
From: "David Beach" <dbeach@blvl.igs.net>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Cc: DDORN@cwis.net, Macstein@aol.com  
Subject: [57863] Summary of Warren Gregoire Headset Comments  
Message-ID: <199912130226.VAA84946@host.blvl.igs.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Once again, qrp-l is a great way to get info on equipment. Some of the response went to the list, some to me. So, the envelope, please...

My summary is that most people found them acceptable but not great, one person thought they were very good and one person found them so objectionable as to send his back under the 'money-back' 30 day warranty - which was honoured by WGA. They are probably a 'good deal for the money' (where else can you get a headset/mic for \$30?). It depends how picky you are about the 'quality' of your equipment whether or not you will be happy using them.

I received a couple of comments on the new MFJ headset, now being advertised: They outwardly appear to be identical to Heils BUT it would appear as though the innards ARE NOT!! A couple of people voiced their dissatisfaction with them. And remember, the MFJ is about twice the price of the 'kit' WGA headset.

All in all, caveat emptor! And, if at all possible, try some else's headset before you buy your own!

Thanks again.

David Beach  
VE3STI

-----  
Date: Mon, 13 Dec 1999 02:36:52 -0000  
From: "Carlos J. Caro" <cjcaro@nail.com>  
To: <lyons@canada.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [57864] Re: micro vs. milli denotation?  
Message-ID: <001001bf4512\$eabac5e0\$4ed396d8@default>

folks,

Depending on your keyboard, you need to turn the Num Lock Key off in order for the alt/numeric keypad codes to work. 0216 is .

Regards,  
Carlos #1333

-----  
Date: Sun, 12 Dec 99 19:36:56 -0600  
From: Jack Reed <wa7lnw@infowest.com>

To: "QRP-L Reflector" <grp-l@Lehigh.EDU>  
Subject: [57865] ARRL 160 Meter Contest..de Jack, WA7LNW  
Message-ID: <19991213023509.CBAD920F25@infowest.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

ARRL 160-Meter Contest

Call: WA7LNW  
Operator(s): WA7LNW  
Station: WA7LNW

Class: S0 QRP  
Operating Time (hrs): 22

Section: UT

Totals:  
143 QS0s x ( 23 Sections + 2 Countries) = 7,225

Comments:

Station: Elecraft K-2 QRP transceiver  
Antenna: Inverted-L @65 ft.  
Beverage: 300'  
Computer: Toshiba T1000-SE laptop  
Software: NA ver. 10.38

QTH: Hurricane, UT  
Near Zion National Park

Posted using 3830 Score Submittal Forms at:  
<http://www.hornucopia.com/3830score/>

Cinematographer / Visual Instrumentation Engineer  
The STUDIO (jreed@thestudio.net) (435) 635-2060

Hurricane, Utah...near Zion National Park

Station: K2 #660  
NC-20  
Ten Tec 1330  
Tuna Tin 2 7043 Mhz crystal  
FT-1000MP  
TS-440 A/T

Ameritron AL-80B

Antenna: Full-wave delta loops 40,20,30,15,10  
Inverted-L 80/160  
Beverage 300' receiving antenna

QRP ARCI #3997, QRP-L #903, FISTS #5127, ARS #518  
Zombie #658, 1999 Bumble Bee #86,

-----  
Date: Sun, 12 Dec 99 19:36:55 -0600  
From: Jack Reed <wa7lnw@infowest.com>  
To: "QRP-L Reflector" <grp-l@Lehigh.EDU>  
Subject: [57866] ARRL 10 Meter Contest, de Jack, WA7LNW  
Message-ID: <19991213023508.A365620FEC@infowest.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

ARRL 10-Meter Contest

Call: WA7LNW  
Operator(s): WA7LNW  
Station: WA7LNW

Class: SO Mixed QRP  
Operating Time (hrs): 16

Summary:

Mode	QSOs	Mults
CW:	329	71
SSB:	133	58
-----		
Total:	462	129 = 206,142

Comments:

Station: Elecraft K-2 QRP transceiver  
Antenna: Full-wave vertical wire loop @ 30 ft.  
Computer: Toshiba T1000-SE laptop  
Software: NA ver. 10.38

QTH: Hurricane, UT

Near Zion National Park

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<http://www.hornucopia.com/3830score/>

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Inverted-L 80/160  
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QRP ARCI #3997, QRP-L #903, FISTS #5127, ARS #518  
Zombie #658, 1999 Bumble Bee #86,

-----  
Date: Sun, 12 Dec 1999 21:43:22 -0500  
From: Dwayne Rich <emergmed@netzero.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57867] Headsets  
Message-ID: <38545D4A.24BB297F@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am looking into buying a heil headset/microphone combination. I am curious if anyone has used the heil headset also to to voice on the internet. Kill two birds with one stone? Does heil make an adapter or would one have to be built?

Dwayne

-----  
NetZero - Defenders of the Free World  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>  
-----

Date: Sun, 12 Dec 1999 20:49:00 -0600  
From: "Don Wines" <dwines@tyler.net>  
To: "QRP-L LIST" <qrp-l@lehigh.edu>  
Subject: [57868] 10m CONTEST  
Message-ID: <006701bf4514\$b43e2fa0\$a59186d0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, I decided to contest a bit between chores and church. Worked S&P on the lower end of 10 for a little over an hour beginning at 2130Z from TX.

It just absolutley amazes me what 5 watts can do on 10m! Had 20 QSOs, 9 states (both coasts), 2 VE provinces, and the last Q was a VK4 and he answered on the first call! Also wrked a ZF2 (any body know where that is? The Handbook says Great Britain/Northern Ireland but there were no other European stations that I heard. And he was well over S9) All with an IC-746 at 5 watts into a G5RV in the trees at 40'.

I ordered a K2 a couple of weeks ago and got an email last week that it had been shipped! Should get it early this week and can't wait start working on that little puppy!

72/73 to all and hope everyone has a good week!

Don  
K5DW, k5dw@arrl.net  
QRP-L# 2083

Sure hope I can hear that Foxy one tommorow nite! Been shut out the last two hunts! Boo-Hoo:)

-----  
Date: Sun, 12 Dec 1999 21:10:04 -0600  
From: "Mark Hogan" <mhogan@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>



Subject: [57869] Re: Headsets

Message-ID: <018901bf4517\$8eba4680\$ab101b3f@compaq>

I've used an HC-4 in an original Hiel headset for the last 11 years. It has the best audio of any mike I've ever used.

I've got a HC-5 in another mike, they sound great for shooting the breeze, the 4 is a dx dream, I recently worked 1 watt qrp to mn, ga,mi on the century late net a week ago, off my 66' 300 ohm fed dipole 33' up. Cant say about the Internet hookup, but Bob could, drop him a line.

Mark Hogan / N50BC

SST / 38s - Speed-X Bug NC-20 - Norcal Paddle

Bet ya never heard a bug go so slow.....

----- Original Message -----

> I am looking into buying a heil headset/microphone combination. I am curious if

> anyone has used the heil headset also to to voice on the internet.

-----  
Date: Sun, 12 Dec 1999 06:24:30 -0700

From: tom whalen <wb5qyt@eFortress.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [57870] Heil info

Message-ID: <3853A20E.1ED6@eFortress.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang,

Does anyone know if the Heil Co. ever made speakers?

72, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Sun, 12 Dec 1999 21:57:16 -0600

From: "Don Wines" <dwines@tyler.net>

To: "QRP-L LIST" <qrp-l@lehigh.edu>

Subject: [57871] Re: 10m CONTEST

Message-ID: <002b01bf451e\$26059a20\$a59186d0@oemcomputer>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>John: ZF is the Cayman Islands in the Carribean...good catch!

>Dave: "ZF" is Cayman Island south of Cuba.

Thanks for the response, guys! Something in the back of my old mind told me it was the Caribbean and it rang a very old bell and I went to my old (I suppose you have noticed how many times I have used "old":)) QSL box and dug out a QSL from ZF2BT for a CW QSO on 27 May 1978.

I've been out of the hobby for about 7-8 years and have no idea where my old (there's that word again) call maps are! Just recently got back into HR and am really havin' a ball with this QRP business but my memory sure ain't what it used to be!;)

Don  
K5DW, k5dw@arrl.net  
QRP-L #2083

-----  
Date: Sun, 12 Dec 1999 22:53:24 -0500  
From: "George F. Allgood" <k4pym@carol.net>  
To: "Knightlites QRP List" <klqrp@waterw.com>  
Cc: "low power discussion" <qrp-l@Lehigh.EDU>  
Subject: [57872] Knightlites Round Table  
Message-ID: <000301bf451d\$b948fe40\$b1cbeed0@204.116.183.2.carol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The Thunder rolled...and the static crashed Sunday night 0230Z for the regular gathering of the Knight Lites Round Table on 3686.4.

Attending were the following:

N3GO Gary, Raleigh, NC 4 watts to a dipole RST 589  
AE4IC Bob, Greensboro, NC RST 579  
AE4Y Kent, Atlanta, Ga. 5 Watts to dipole RST 589  
AE4GX Sam, Atlanta, Ga. 2 Watts HW-8 RST 589  
WB4OFT John, Advance, NC 2 watts Homebrew VFO RST 579  
KG4CRU Dick, Morrisville, NC 200 Mw Inverted Vee RST 459

K04PY Brent, Raliegh, NC TenTec 5 Watts Dipole RST 589  
AB4PP John Paul, Raleigh, NC 4 Watts Carolina Windom RST 569  
WJ4P Randy, Charleston, SC 5 Watts RST 589  
VE3JC John, Canada 4 Watts dipole RST 449 QSB  
K4PYM, George, Walhalla, SC Net Control WQ4RP 5 Watts G5RV  
The KLN meets each Sunday night 0230Z on 3686.4 and you're invited.  
Happy Holiday Season to all from the Knightlites!

George F. Allgood, K4PYM  
125 North Lovingood Avenue  
Walhalla, SC 29691

-----  
Date: Sun, 12 Dec 1999 22:15:59 -0600  
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>  
To: <w8erv@email.msn.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [57873] Re: Little Softshoe....Extra Theory History!  
Message-ID: <007501bf4520\$c3bee1c0\$333d0b3f@default>

Erv, Go Go Go .... you can and will do it. I'm sure of it. Mike in  
Minnesota

-----Original Message-----  
From: J. Ervin Bates <w8erv@email.msn.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Saturday, December 11, 1999 5:35 PM  
Subject: Little Softshoe....Extra Theory History!

>Ok, it's getting closer.....

-----  
Date: Sun, 12 Dec 1999 22:23:26 -0800  
From: "Thomas Moll" <n0bs@compaq.net>  
To: <qrp-l@lehigh.edu>  
Subject: [57874] DX394 Manual  
Message-ID: <005b01bf4532\$919b0400\$bb380b3f@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anyone have the manual for a DX394 that would be willing to make a copy for me? I'll gladly pay copying and mailing cost.  
Thanks, Tom Moll    NOBS

-----  
Date: Sun, 12 Dec 1999 23:51:53 -0500  
From: Mike Czuhajewski <wa8mcq@erols.com>  
To: ka7you@juno.com  
Cc: QRP forum <qrp-1@lehigh.edu>  
Subject: [57875] Re: HB: Drawing program input wanted  
Message-ID: <38547B69.7BE0@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I agree with N2APB that Microsoft PowerPoint is a great program! We use it a lot at work for technical illustrations in some of our in-house documentation. I plan on getting it at home soon.

PowerPoint does have some drawbacks, though, in that it's not a drafting program per se. It has some really maddening limitations in doing some things, which is when we switch over to full blown CAD programs. It all depends on the specific task at hand. In all fairness, there are times when using the CAD programs is frustratingly slow and inefficient, and something can be done much more easily in PowerPoint. After working with a lot of graphics and drawing programs at work for several years, where price is no object, I still haven't found any magic bullet that fits all applications.

An excellent example of a full blown CAD program, which is definitely pricey for home use, is the industry standard, AutoCAD LT. It's the "lite" version of the full blown AutoCAD, costing only (!) \$500 compared to maybe three times that much, and it does not have the 3D functions. Otherwise it's the same as the full blown AutoCAD. It's made by AutoDesk and I've seen it in either Best Buy or CompUSA at times (I forget which).

That's still a lot of money for home use, and AutoDesk has yet another program which is CAD but priced for the home market at around \$90. It's AutoSketch, also found in Best Buy and CompUSA at times. It's rather like a watered down version of AutoCAD LT, but still pretty good. It shares a common feature with just about every other program I've ever seen that has an electronic symbols library: I don't like the looks of the libraries provided! As I did with KeyCAD, I ignore the supplied

symbols and drew up my own set to suit myself, which is easily done using lines and circles, etc, then grouping them together to be handled as a single entity.

PowerPoint, of course, has no libraries; you'll have to draw your own, or get a PowerPoint schematic file from someone which you can "harvest." But making your own libraries is, at least for me, simple and fun--and you're not limited to whatever the programmer thought a complete library should include, or what the components should look like.

I've been using AutoSketch for several issues of my Idea Exchange column in the QRP Quarterly. There's still a maddening glitch to be overcome, dealing with the text, but it's a minor irritant. The program does save files in its own proprietary format, as do a lot of programs, but it also has the capability of exporting files in WMF format, or Windows MetaFiles, which is why I bought it. That has two great advantages: first, it's a vector based graphics format (like the old HPGL), which allows you to resize drawings with impunity. With bitmapped formats, when you resize things you can quickly get into problems with quality; also, vector graphics drawings tend to produce much smaller files than bitmapped ones; that can be important when trying to get lots of them onto a floppy, or sending them online. The second advantage of WMF is that it's a common format, and imports directly into Microsoft Word, PowerPoint, Publisher, etc.

I used KeyCAD for several years after Doug Hendricks told me about it, and it served the purpose well for a number of years. I still owe him a big thanks for telling me about it.

Is this off-topic for qrp-l? I don't think so. Lots of people want to share their ideas with the QRP community, either through the paper journals or online sites and e-zines, or supply kits, and all of those require drawings and/or schematics--and a lot of people prefer computer generated graphics.

--

73 and Queue Our Pea de WA8MCQ      wa8mcq@erols.com

-----

Date: Sun, 12 Dec 1999 21:51:40 -0700 (PDT)  
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>  
To: Bob Edwards <w4ed@gis.net>  
Cc: CLOFGREN@BENSON.MCKENNA.EDU, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57876] Re: QRP balanced feedline "discovery"  
Message-ID: <Pine.PMDF.3.96.991212214036.17288B-100000@BENSON.MCKENNA.EDU>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hi, Bob--

I refined my measurements on the RS #24 solid speaker wire used as transmission line, and also did more careful modeling of a 50' doublet with this as the feedline. Here are the figures (below), somewhat worse than I first reported to you regarding the modeling results. Taking your advice, I'll post these to the list.

73,

Charlie, w6jjz  
clofgren@mckenna.edu

-----  
The results (turn off proportional spacing):

line Zo = 145 ohms

vf = .70

matched loss, per 100 feet:

10 MHz    2.0 dB

30 MHz    3.9 dB

I modeled a 50 foot doublet made of #22 wire, up 33 feet, fed with 40 feet of the RS speaker wire. For modeling the doublet, I used NEC/Wires (average ground), and for calculating the feedline data, I used Dan Maguire's ZIZL, with the RS wire added to the zizl.dat file.

freq	Ant feedpoint impedance	SWR at antenna	feedline loss, dB
3.56	7.9-j1890	310:1	21.5
7.04	40.1-j513	36:1	7.4
10.116	105+j97	2.4:1	1.0
14.06	292+j898	23:1	5.5
21.06	1517-j2800	45:1	8.9

28.06

100-j195

4.5:1

2.8

-----  
Date: Mon, 13 Dec 1999 06:03:08 EST  
From: w4pj@w4bkx.ampr.org  
To: qrp-1@lehigh.edu  
Subject: [57877] Re: 10m Contest  
Message-ID: <72819@w4bkx.ampr.org>

Yup, ZF = Cymans  
TM = France or French territory... have to check the DX bulletins to make  
sure... sometimes = FM, FS, etc. I think TM5 = FM TM8 might be FK.  
Inside the cover of the old Flying Horse Callbook is a page with all the  
prefixes: Table of Allocations of International Callsign Series as Issued  
by the ITU and others... It's good for a quick look but doesn't differentiate  
between the British entities or CIS etc. These are also relative to the  
broadcast stations, Airplane ID's etc. For the current DXCC standard Prefixes  
Get a copy of the ARRL DXCC COUNTRIES LIST.  
It costs \$2 and has columns and boxes for keeping track of what  
you work/QSL/Confirm.  
When I work'em I put a dot in the box.  
When I QSL'em I put an "x".  
When I get the card Confirming the "country" I use an orange Hi-lite  
marker and fill in the box.  
It makes it easy to tell what I've worked/QSL'd/Confirmed.  
At 321 confirmed, it makes it VERY easy to see which ones I need. <GRIN>

de (Scott) W4PJ  
Ft. Lauderdale, FL <EL96vd> QRPL #1585

-----  
Date: Mon, 13 Dec 1999 03:45:02 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>  
Subject: [57878] CONTEST: 10m  
Message-ID: <Pine.GS0.4.10.9912130340150.2858-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

This was part of a post over on the contest reflector:

> does anyone know why people insist on using /qrp? I don't  
> believe it helps get QSOs, to the contrary as it serves to  
> confuse. I gather from friends who've been on big dx-peds that  
> they find this also.

I noticed a few DX QRP stations that were signing /QRP what seemed to be all the time but didn't hear any US stations doing it.

I set up 4 different CQ strings for when I'm trying to run stations. They are played at random. One of them has /QRP just to let people know to call even if I'm weak!

I never use /QRP when calling in a pile up....for either DX or contests.

Anyway, it will be interesting to follow that and see if anyone else has anything to say.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----

Date: Mon, 13 Dec 1999 06:31:54 -0600  
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Cc: "'emtech@steadynet.com'" <emtech@steadynet.com>  
Subject: [57879] =?iso-8859-1?Q?Re=3A\_micro\_=28=B5=29\_vs=2E\_milli\_=28m=29?=  
Message-ID: <54F85D7F6DE2D01184EF0000F804953502729F3D@MAIL04>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi Scott, et. al.

I concur that for a conventional typewriter, u will work for 'micro.'=20



For the actual '=B5' symbol, I have always found "Alt-230" to work (I'd never used the Alt-0181 before but it works too).

(Hold down the Alt key then type 230 in sequence on the numerical = keypad.

On my keyboard, this works regardless of whether the numerical keypad is locked on or not).

73 de N9WR, Don C. Faith III

-----  
Date: Mon, 13 Dec 1999 06:59:04 -0600  
From: Karl Kanalz <KKanalz@excel.com>  
To: "'Johnny'" <km5im@telepath.com>, gqrp@onelist.com, homebrew@qth.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, qrp@qth.net  
Subject: [57880] RE: Books needed on Radio electronic RX and TX  
Message-ID: <2D343922E283D211945C0008C7A41B2A013101D3@ADNTEX01.adsn.dal.excel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Johnny,

There are LOTS of books out there, but the best "consolidated" book, in my never-humble opinion is the ARRL "Radio Amateur's Handbook". You can often find them at swapmeets for a fraction of their original cost -- even the older Handbooks are worthwhile, so get out there and look around.

Of course, you can buy them new from virtually ANY ham radio store throughout the nation.

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: Johnny [mailto:km5im@telepath.com]  
Sent: Friday, December 10, 1999 5:10 PM  
To: gqrp@onelist.com; homebrew@qth.net; Low Power Amateur Radio Discussion; qrp@qth.net  
Subject: [GQRP] Books needed on Radio electronic RX and TX

From: Johnny <km5im@telepath.com>

Hello

Looking for some books that can help me in radio theory, receiver and transmitters the basics. Something that they would use for in school. In learning basic radio theory. If you have any ideas about a some books please email direct

-----  
Date: Mon, 13 Dec 1999 07:20:21 -0600  
From: Karl Kanalz <KKanalz@excel.com>  
To: "'cgreene@loa.com'" <cgreene@loa.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57881] RE: Keeping your wire antenna in the trees  
Message-ID: <2D343922E283D211945C0008C7A41B2A013101D4@ADNTEX01.adsn.dal.excel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Chas,  
You can use the techniques shown in your ARRL Handbook. On at least ONE end of your wire antenna, support it through a pulley at the tree, running a rope from the end of the antenna through the pulley down toward the ground.

At the end of this "support rope", fasten a bucket filled with concrete to keep the antenna in the air and horizontal. As the tree flexes in the wind, the bucket of cement (on that support rope) will rise and fall and keep tension on the antenna wire without breaking it.

Read that handbook!

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----  
From: Charles Greene [mailto:cgreene@loa.com]  
Sent: Saturday, December 11, 1999 5:16 PM  
To: Low Power Amateur Radio Discussion  
Subject: Antenna Tree Supports

Hi all,

I need some advise from some of you guys who are using a tree for an antenna support. The wind is pretty high here, and for the second time in two months, my W3EDP antenna broke at the tree. How can I keep it up?

Also, my vertical bent over 20 degrees from the vertical today,  
so I will have to rotate it 180 deg. so the NW wind will  
straighten it out again.

-----

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>  
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator  
w1cg@arrl.net

-----

-----

Date: Mon, 13 Dec 1999 13:24:43 -0000  
From: "Walt Amos" <waltamos@surfree.com>  
To: "Qrp-l Posts" <qrp-l@lehigh.edu>  
Subject: [57882] HELP: Fw: Books needed on Radio electronic RX and TX  
Message-ID: <000501bf456d\$6c7f5820\$d3891b26@waltk8cv>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

How about the Government Printing Office? They have books and training  
manuals on Electronics. Very reasonable prices.

Walt K8CV Royal Oak, Michigan QRP-L # 935 ZOMBIE # 188  
K-2 "ORIGINAL knob"

----- Original Message -----

From: Karl Kanalz <KKanalz@excel.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Monday, December 13, 1999 12:59  
Subject: RE: Books needed on Radio electronic RX and TX

> Johnny,

>

> There are LOTS of books out there, but the best "consolidated" book, in my  
> never-humble opinion is the ARRL "Radio Amateur's Handbook". You can  
often  
> find them at swapmeets for a fraction of their original cost -- even the  
> older Handbooks are worthwhile, so get out there and look around.  
>  
> Of course, you can buy them new from virtually ANY ham radio store  
> throughout the nation.  
>  
> Karl K - W8TIF  
> McKinney, Texas  
>  
> -----Original Message-----  
> From: Johnny [mailto:km5im@telepath.com]  
> Sent: Friday, December 10, 1999 5:10 PM  
> To: gqrp@onelist.com; homebrew@qth.net; Low Power Amateur Radio  
> Discussion; qrp@qth.net  
> Subject: [GQRP] Books needed on Radio electronic RX and TX  
>  
> From: Johnny <km5im@telepath.com>  
>  
> Hello  
>  
>  
> Looking for some books that can help me in radio theory, receiver and  
> transmitters the basics. Something that they would use for in school. In  
> learning basic radio theory. If you have any ideas about a some books  
> please email direct  
>  
>

-----  
Date: Mon, 13 Dec 1999 13:32:36 -0000  
From: "Walt Amos" <waltamos@surfree.com>  
To: "Qrp-l Posts" <qrp-l@lehigh.edu>  
Subject: [57883] HELP: Fw: QRP balanced feedline "discovery"  
Message-ID: <000b01bf456e\$860bc2a0\$d3891b26@walatk8cv>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So .....

What are you telling us? USE A PROPER FEED LINE? or this will work just fine  
but nobody will hear you. This works best at the sea shore? This is NOT for

field day? This will soon .....soon be sold by RadioShack.com and make a million. This should not be used in a contest? This should be used only by dxers? Thousands of antennas across the world are being RIPPED down as we speak and Rat Shack speaker wire is becoming a world trading commodity ! It is time to BUY Radio Shack Stock !! :-)

Walt K8CV Royal Oak, Michigan QRP-L # 935 ZOMBIE # 188

K-2 ORIGINAL knob

----- Original Message -----

From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, December 13, 1999 04:51

Subject: Re: QRP balanced feedline "discovery"

> Hi, Bob--

>

> I refined my measurements on the RS #24 solid speaker wire used as  
> transmission line, and also did more careful modeling of a 50' doublet  
> with this as the feedline. Here are the figures (below), somewhat worse  
> than I first reported to you regarding the modeling results. Taking your  
> advice, I'll post these to the list.

>

> 73,

>

> Charlie, w6jjz

> clofgren@mckenna.edu

>

> -----

> The results (turn off proportional spacing):

>

> line Zo = 145 ohms

>

> vf = .70

>

> matched loss, per 100 feet:

>

>       10 MHz    2.0 dB

>

>       30 MHz    3.9 dB

>

>

> I modeled a 50 foot doublet made of #22 wire, up 33 feet, fed with 40  
> feet of the RS speaker wire. For modeling the doublet, I used NEC/Wires  
> (average ground), and for calculating the feedline data, I used Dan  
> Maguire's ZIZL, with the RS wire added to the zizl.dat file.

>

>

> freq	Ant feedpoint	SWR at	feedline
>	impedance	antenna	loss, dB
>			
> 3.56	7.9-j1890	310:1	21.5
>			
> 7.04	40.1-j513	36:1	7.4
>			
> 10.116	105+j97	2.4:1	1.0
>			
> 14.06	292+j898	23:1	5.5
>			
> 21.06	1517-j2800	45:1	8.9
>			
> 28.06	100-j195	4.5:1	2.8
>			
>			
>			
>			
>			
>			
>			

-----

Date: Mon, 13 Dec 1999 05:59:24 -0800 (PST)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: dsirait@centrin.net.id, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57884] Re: ANT: The rationale of using Ladder line on Non resonant Antenna  
Message-ID: <19991213135924.3911.qmail@web2005.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Donny,

Thanks for posting your thoughts. Here are some ideas that might help.

(1) The objective of the transmission line is to get as much more as possible to the radiator.

(2) Power not radiated by the antenna has to go someplace! Some goes into ohmic loss (heat) into the transmission. Other power is "undesirably radiated" and absorbed as heat in undesired places (like the walls of the shack) or radiated in less useful directions.

(3) With an antenna mismatched to the transmission line, there are indeed standing waves on it. These are the "symptom" ... the "problem" is that because of the mismatch, the signal is literally bouncing back and forth many times between the antenna and the other end of the transmission line. Each time a portion of the signal radiates out the antenna. If the line loss is low enough, eventually almost everything will make it out the antenna.

(4) However, this assumes nothing else in the set-up is radiating. In a mismatch situation, coax is a much better radiator than balanced transmission line. Also its higher losses combined with its radiation means that ladder line is the preferred method of transmitting power to unmatched antennas.

(5) Measuring HF antennas in the real world is difficult, because in most of our cases our antennas are not well isolated from other objects and from the ground. We can be a little fooled sometimes by our SWR meters - particularly when our RF ground is not perfect.

(6) The key is to understand and apply the principles. We can make this an exact science, and there is a place for complex calculations and computer modeling. But if you understand and apply the principles, you should be able to produce something good that works.

(7) FYI - one of my antennas is an off-center fed dipole (one leg is approx. 20 meters and the other is approx. 45 meters) fed with ladder line. not an "ideal" antenna but it works with an antenna tuning unit in the shack. I also use "tuned" antennas fed with coax.

I hope this helps some. Meanwhile, keep working at it.

Curt WB8YYY  
Eldersburg, MD

--- Donny <dsirait@centrin.net.id> wrote:  
> Seasons greetings to all the list members,  
>

> My previous thread/question on Basic SWR question  
 > has been responded by several very kind members  
 > of the list and of which I am very thankful,  
 > however I  
 > still think that there are still something missing  
 > in my brain hi hi.  
 >  
 > The issue is:  
 > - We all know that coaxial cable and the ladderline  
 > or  
 > paralel open wire feed line are sorts of  
 > transmission line which  
 > function is to transfer RF power from the  
 > transmitter to the antenna.  
 > - We also know that RF power losses increased  
 > significantly  
 > with higher Standing Wave Ratio in coaxial cable.  
 > - It is said that ladder line and the likes exhibit  
 > a low  
 > loss even if the SWR is high.  
 > - However I recalled that there are what we call  
 > forward  
 > and REFLECTED power in the transmission line.  
 > - SWR is the ratio of  $(V_o + V_r) / (V_o - V_r)$  where  
 >  $V_o$  is the forward voltage and the  $V_r$  is the  
 > reflected voltage  
 > and we know that to measure SWR with a Bird power  
 > meter  
 > we have to do similar calculations.  
 > - From the above formula we found out that the  
 > higher the  
 > SWR (VSWR) the higher the reflected voltage (=   
 > power????)  
 >  
 > Therefore if high SWR means higher reflected power  
 > then how much of the RF power is then transfered to  
 > the antenna?  
 >  
 > In this case suppose we use a ladder line with a  
 > characteristic  
 > impedance of 450 ohms to a resonant dipole then we  
 > will have  
 > an SWR of 6:1 then there will be a fraction of the  
 > power left  
 > transfered to the antenna (correct/wrong???) If  
 > wrong what is  
 > the explanation??  
 >



> Well some one will come and say use a antenna  
> coupler/tuner.  
> Yes we can but then only the transmittte will be  
> happy since we  
> are able to load the characteristic impedance of the  
> transmitter  
> (nowadays normally 50 ohms) to the SYSTEM impedance.  
> However I believe that the transmission line vs  
> antenna  
> mismatch were still there and then the power is  
> still reflected  
> by the mismatch.  
>  
> We have taken this thing for granted for ages and it  
> works  
> but then a lot of time we don't even know why that  
> happens.  
> The morale is if we have the explanation then  
> probably we  
> can find some other better ways to do the same  
> thing.  
> Don't we want ideally our antenna to radiate all of  
> our  
> milliwatt power to the atmosphere???  
>  
> Some one please help me  
>  
> Thank you in advance and May God bless you all.  
>  
> vy 72 de Donny YB6LD/1  
> Bekasi Indonesia  
>  
>  
>  
>  
>

-----  
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-----  
Date: Mon, 13 Dec 1999 09:32:28 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "\_AAAA\_NOGA\_onlist (E-mail)" <nogaqrp@qth.net>, "klqrp\_submit (E-mail)"  
<klqrp@waterw.com>, "Qrpl\_Submit (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [57885] HB: Quest for the Perfert QRP Rig Enclosure  
Message-ID: <66FCE0D1DF76D311913800805F6D0FA337D615@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

Like most of you I'm always looking for the "almost free" QRP rig enclosure. well at TARGET this weekend I think I found it. In the food/candy section they have metal "old tme" looking metal school boxes complete with carrying handle and a lid latch. They are being sold with candy but the wrapped candy can be removed and taken to work and you have left one of three sizes of enclosures.

One is the almost standard luch box size (maybe a little smaller) \$5.99 w/candy

The small size is about 1/2 the standard size (this is the one that got me excited) \$3.50 w/Candy

A third is about 2X standard size. \$9.99 /candy

Needless to say I picked up several.

So get yourself a stocking stuffer and some candy to boot.

Sam AE4GX

-----  
Date: Mon, 13 Dec 1999 06:40:33 -0800  
From: "jmb" <jmb@cruzio.com>  
To: "QRP-1" <qrp-1@lehigh.edu>  
Subject: [57886] Solder Station  
Message-ID: <02ac01bf4578\$032658a0\$7f8ae3a5@workstation>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My 'flea market' Weller WTCPT solder station just gave up the ghost and I need to replace it.

I'm looking at the new Weller WES50 which sounds like it has some nice features, like auto-shutoff after 90 minutes of not being used - I think I like that one a lot cause it probably was a contributing factor to this here dead puppy. One thing though, is that it uses

'ET' tips rather than the 'PT' tips used on my old station. What I'm wondering is if anyone knows whether I can save a few bucks and use these old PT tips on the new station.

And I guess while I'm at it, anyone got any warnings or praise about the new WES50? Also, any suggestions on where to buy one. Lowest price I've seen shopping around on the web is \$99 at [www.action-electronics.com](http://www.action-electronics.com)

Tnx

-----  
73 de K6JMB  
Jim Boyle  
Santa Cruz, California  
FISTS #6537 QRP-1 #1845 K2 #141

-----  
Date: Mon, 13 Dec 1999 08:20:45 -0700  
From: Maurice L Haynes <kv7g@juno.com>  
To: claudewb9euu@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [57887] Re: QUESTIONS  
Message-ID: <19991213.082047.-676289.0.kv7g@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

ALT 0216 =

Bud - KV7G - Yuma, AZ

On Sun, 12 Dec 1999 16:39:36 -0500 CLAUDE PALUSKI <claudewb9euu@juno.com> writes:

> NR.2 SOMEONE POSTED A MESSAGE ABOUT CHANGING THE ZERO TO A  
> SLASHED ZERO. CANT FIND IT IN ANY OF MY COMPUTER BOOKS, SO WOULD BE  
> GRATEFUL FOR ANY ASSISTANCE  
> 72  
> Claude WB9EUU @ JUNO.COM  
> GARDEN HOMES, I L 60803  
>  
> -----  
> Why pay more to get Web access? Try Juno for FREE -- then it's just  
> \$9.95/month if you act NOW! Get your free software today:  
> <http://dl.www.juno.com/dynoget/tagj>.

-----

Date: Mon, 13 Dec 1999 15:29:59 GMT  
From: Robert Radtke <rradtke@hutman.net>  
To: qrp-1@lehigh.edu  
Subject: [57888] Hexbeam Antenna  
Message-ID: <19991213.15295962@overlord.hutman.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

HiHo QRPers -=20

While looking up fun antenna stuff on the Internet this weekend, I=20  
came across <http://www.hexbeam.com> . While I'm no antenna guru - this=20=

looks like a great design for a portable directional antenna that=20  
wouldn't be too hard to built with just some fiberglass tent poles and=20=

basic hardware. Has anyone come across any information on what=20  
measurements to use for this type of antenna, or any information on=20  
duplicating it? I couldn't find any info on any sites or in the QRP-1=20=

digests.=20

Is anyone using one and if so - are the manufacturers claims smoke and=20=  
mirrors or would this be a project worth some time and effort?

Thanks,

robert - KC0EJW

-----  
Date: Mon, 13 Dec 1999 10:48:24 -0500  
From: "Charlie Fitts" <cfitts@neca.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57889] Re: Quest for the Perfert QRP Rig Enclosure  
Message-ID: <199912131552.KAA08771@orion.neca.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

And check out the holiday Oreo cookie tins - they look like they were custom designed for 2N2/40 boards.

Charlie Fitts, N1EI

-----  
Date: Mon, 13 Dec 1999 09:41:01 -0500  
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>  
To: "qrp-L" <qrp-l@LeHigh.edu>  
Subject: [57890] RE: Vacuum tube rigs for milliwatting A LOT OF FUN !  
Message-ID: <001301bf457a\$13022ea0\$04000a0a@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

YES ! A LOT OF FUN !!!

Vacuum tubes do seem to work fine at extremely low  
DC plate voltages ( at least some of them do )  
NO... I am not talking about the late fifties special  
12 volts on the plate tubes for car radios, that used  
a PNP transistor output stage... ( Yes, I was a teenager  
in those days and could not understand why no vibrator  
on the 1958 Chevy radio ??? )

Well.. my fun project this last weekend, because the  
flu left me without much contest enthusiasm to be  
on the 10 meter band , was to  
haywire a vacuum tube rig, crystal controlled , and  
using very low DC plate voltages...

Results are so encouraging that I will devote some  
spare time during the week on this project...

OK, I agree you do need filament voltage, but my  
DC plate supply was just a 1 to 1 isolation transformer  
for safety , a diode, two ex computer power supply  
electrolytics and a wirewound resistor...Started with  
about 140 volts DC on the plates of the 12AT7...

then, with the VARIAC , I started to use less and less  
DC plate voltage, watching what happened... The 12AT7  
kept oscillating on 7107 kHz crystal controlled when  
the DC was even down to 15 volts !!!

The MOPA ( Master Oscillator Power Amplifier ) 1 tube  
rig keys well ( via the output triode cathode ) and  
was heard all around the island !!!

PHASE TWO for this week... found 50L6 tetrode in  
brand new box !!! So... no need for filament transformer,  
just a diode dropping half the AC line voltage to the  
50L6...( always from the 1 to 1 isolation transformer

to avoid AC line shocks !!! )

Count the number of parts of this "NOSTALGIA PROJECT" and you will agree with me that solid state rigs use too many components for milliwating !!!

BTW: The 12AT7 haywired, breadboard rig ,using an iron core coil form with a fixed capacitor for tuning the output stage, kicked the wattmeter from about almost 1 watt down to very few milliwatts...

The output stage triode just uses a grid resistor, a cathode bypass capacitor for the keyline, and the iron core variable coil and capacitor tuned circuit.. Output to dipole antenna is via a 4 turn link ...

Oscillator uses grid resistor, crystal from plate to grid, feedback capacitor , cathode to ground..in no tune Pierce circuit... coupling capacitor to the second triode from plate of first triode to grid is also non-critical...

Again, I invite you to count the number of parts, and dash to your junkbox, or if you are someone so young as to be solid state only junkbox... then buy some relics and nostalgia parts at next hamfest or fleamarket!

Have fun... see you all on 7107 kHz with less than 1 watt !!!

Any questions or comments ? Just e-mail them to me direct, but in case you feel that they might be interesting to others in the QRP-L, please do post them !!!

Arnie

Arnie Coro C02KK

e-mail:arnie@radiohc.org

e-mail:inforhc@mail.infocom.etecsa.cu

Postal address:

Prof. Arnaldo Coro Antich

La Torre no.127 entre 35 y 37

Nuevo Vedado, Plaza

Ciudad Habana , 10600

CUBA

-----  
Date: Sun, 12 Dec 1999 19:20:27 -0700

From: tom whalen <wb5qyt@eFortress.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [57891] Speaker rebuilding info

Message-ID: <385457EB.22CB@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Do you have a nice set of speakers but the foam on the edges is shot?

Don't throw that good speaker away. I found this place in NY that sells speaker rebuild kits that are cheap and easy to use. They even have a tape you can watch for instruction in speaker rebuilding.

I just finished rebuilding some very nice speakers that a fellow had set out in his garage sale for free. These speakers have a "Heil Air Motion Transformer System". I'm going to email Mr. Heil and see if this is his design.

So, for speaker rebuilding kits see...<http://www.newfoam.com>

No connection, just a satisfied customer..72, Tom WB5QYT

-----  
Date: Mon, 13 Dec 1999 08:22:13 -0800 (PST)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: jmb@cruzio.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57892] Re: Solder Station  
Message-ID: <19991213162213.14861.qmail@web305.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I believe Radioshack.com has them for \$99 on sale this month. Might be convenient.

73

Jim kt4a.

--- jmb <jmb@cruzio.com> wrote:  
> My 'flea market' Weller WTCPT solder station just  
> gave up the ghost  
> and I need to replace it.  
>  
> I'm looking at the new Weller WES50 which sounds  
> like it has some nice  
> features, like auto-shutoff after 90 minutes of not

> being used - I  
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> station. What I'm  
> wondering is if anyone knows whether I can save a  
> few bucks and use  
> these old PT tips on the new station.  
>  
> And I guess while I'm at it, anyone got any warnings  
> or praise about  
> the new WES50? Also, any suggestions on where to  
> buy one. Lowest  
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> at  
> www.action-electronics.com  
>  
> Tnx  
>

-----  
> 73 de K6JMB  
> Jim Boyle  
> Santa Cruz, California  
> FISTS #6537 QRP-1 #1845 K2 #141  
>  
>

-----  
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-----  
Date: Mon, 13 Dec 1999 11:26:00 EST  
From: w4pj@w4bkx.ampr.org  
To: qrp-1@lehigh.edu  
Subject: [57893] Re: Rationale of Ladderline...  
Message-ID: <72859@w4bkx.ampr.org>

I consider the feedline - or ladderline - part of the antenna system.  
A low-loss tuning network efficiently transfers power from the exciter  
to the antenna system. Efficient power transfer equates to effective  
radiation. As the cliché goes, the proof is in the pudding.  
321 DXCC Confirmed since Feb '92.  
Remember Gooch's theorem: "RF Gotta go somewhere."



de (Scott) W4PJ Ft. Lauderdale, FL <EL96vd> QRPL #1585

-----  
Date: Mon, 13 Dec 1999 11:38:23 -0500  
From: Mike Maiorana <mikemo@attglobal.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57894] HELP: Grundig YB-400 manual  
Message-ID: <385520FF.F8F27A4D@attglobal.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone have a manual for the YB-400 that they could copy and send/email me? I picked up one of these at a hamfest over 1 year ago and repaired it, but I don't have the instructions on how to set the clock, alarms, scanning, etc. I'll gladly reimburse for any expenses.  
Thanks for the help and 72  
Mike Maiorana, KU4QO (whose yb-400 flashes 12:00 ;-)

-----  
Date: Mon, 13 Dec 1999 11:48:07 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57895] Re: Speaker rebuilding info  
Message-ID: <058901bf4589\$ecb53d40\$9001a8c0@wn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Do you have a nice set of speakers but the foam on the edges is shot?  
>  
> Don't throw that good speaker away. I found this place in NY that sells  
> speaker rebuild kits that are cheap and easy to use. They even have a  
> tape you can watch for instruction in speaker rebuilding.

These kits are available from a number of sources. There are even places that will do the rebuild for you for a fee.

I bought my kits from Part Express and from MCM. They generally come with TWO liners and one dustcap, so you can use the 'better fit' liner.

I think I paid \$12 for the last set of 10" repair suspensions.

Mike

-----  
Date: Mon, 13 Dec 1999 10:45:03 -0600  
From: Karl Kanalz <KKanalz@excel.com>  
To: "'wb5qyt@eFortress.com'" <wb5qyt@eFortress.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57896] RE: Speaker rebuilding info (Heil)  
Message-ID: <2D343922E283D211945C0008C7A41B2A013101E1@ADNTEX01.adsn.dal.excel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I seem to recall (through my foggy old mind), that there was a "Heil Transducer" speaker for mid-range and tweeter-range manufactured back in the mid- to late-sixties that was highly acclaimed. It worked pretty much as an electrostatic system and claimed a smooth, linear response. The "sound generator" was a multiple-layered set of elements (isolated by dielectric), horizontally arrayed, with elements alternately charged with a fixed DC bias. The incoming a.c. audio was superimposed on the charged elements to make them "vibrate" and reproduce audio. I wonder if this might be the same system?

If so, I'll bet it will sound wonderful!

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----  
From: tom whalen [mailto:wb5qyt@eFortress.com]  
Sent: Sunday, December 12, 1999 8:20 PM  
To: Low Power Amateur Radio Discussion  
Subject: Speaker rebuilding info

Gang,

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So, for speaker rebuilding kits see...<http://www.newfoam.com>

No connection, just a satisfied customer..72, Tom WB5QYT

-----  
Date: Mon, 13 Dec 1999 08:41:26 -0800 (PST)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: N10DL@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57897] RE: Antenna Supports  
Message-ID: <19991213164126.546.qmail@web301.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Bricks, especially the ones with holes, are cheap and easy. One is about the right weight for my location.

73

Jim kt4a

--- N10DL@aol.com wrote:

> What I did to put up my G5RV and my Windom was to  
> use my wife's diving belt  
> weights ( Yes I did promise to buy her a new set  
> before next spring) which  
> are 4 Lb. each, they come in different weights, and  
> tied them to the dacron  
> which is hung between the branch on one tree and the  
> same on the other side.  
> My tree's also have quite a "swing " to them. The  
> antenna does move up and  
> down, but it is not pulled very tight while it  
> moves. So far so good...  
> Good Luck  
> Hope this works for you.  
> Aron  
> N10DL  
> Bedford, NH  
>

-----  
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-----  
Date: Mon, 13 Dec 1999 11:48:45 EST  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: Mike@gold.chem.hawaii.edu, kh6b@juno.com  
Subject: [57898] Re: ARRL 160 Meter Contest..de Jack, WA7LNW  
Message-ID: <19991213.064947.5391.0.kh6b@juno.com>

Hi Jack and group,

I worked you during the contest when I was the op  
at KH6IN. Heard you many times peaking S9. I told  
our group: "that's Jack with a K2!"

We used my K2 #047/original knob at 5 watts.

was also the op when working Ron KU7Y,  
BV3FG/QRP, and Bob N6WG. Maybe other QRPers?

I haven't figured the scoring at this end, but had  
250 Qs before dupes. Other ops at our club station  
were Sam KH6AFS and Bob KH6BMM. We set up  
a portable station at Laupahoehoe Point Beach Park  
during rain and flood advisories. Our antenna is a  
5-el Yagi at 22 feet. We had a 10-el "portable"  
Sterba Curtain ready to install, but didn't get it  
installed due to the weather.

We had the combined efforts of the Hawaii QRP Club  
and the Hilo ARC. KH6IN is the call sign of Hilo ARC.

Aloha,  
Dean KH6B  
Dean KH6B Hilo HI BK29KP  
ARRL Life, HI Chap. 194 QCWA  
HI QRP 001

----- Begin forwarded message -----  
From: Jack Reed <wa7lnw@infowest.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: ARRL 160 Meter Contest..de Jack, WA7LNW  
Date: Sun, 12 Dec 99 19:36:56 -0600  
Message-ID: <19991213023509.CBAD920F25@infowest.com>

ARRL 160-Meter Contest

Call: WA7LNW

Operator(s): WA7LNW  
Station: WA7LNW

Class: SO QRP  
Operating Time (hrs): 22

Section: UT

Totals:  
143 QSOs x ( 23 Sections + 2 Countries) = 7,225

Comments:

Station: Elecraft K-2 QRP transceiver  
Antenna: Inverted-L @65 ft.  
Beverage: 300'  
Computer: Toshiba T1000-SE laptop  
Software: NA ver. 10.38

QTH: Hurricane, UT  
Near Zion National Park

Posted using 3830 Score Submittal Forms at:  
<http://www.hornucopia.com/3830score/>

Cinematographer / Visual Instrumentation Engineer  
The STUDIO (jreed@thestudio.net) (435) 635-2060

Hurricane, Utah...near Zion National Park

Station: K2 #660  
NC-20  
Ten Tec 1330  
Tuna Tin 2 7043 Mhz crystal  
FT-1000MP  
TS-440 A/T  
Ameritron AL-80B

Antenna: Full-wave delta loops 40,20,30,15,10  
Inverted-L 80/160  
Beverage 300' receiving antenna

QRP ARCI #3997, QRP-L #903, FISTS #5127, ARS #518  
Zombie #658, 1999 Bumble Bee #86,

----- End forwarded message -----

-----  
Why pay more to get Web access?  
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!  
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.  
-----

Date: Mon, 13 Dec 1999 12:21:46 -0500 (EST)  
From: QRP <qrp@email.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [57899] test  
Message-ID: <385559169.945105706395.JavaMail.root@web11.mail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

test message to end JUNO and start QRP@Email.com

WB0JNR

-  
-----  
FREE! The World's Best Email Address @email.com  
Reserve your name now at <http://www.email.com>

-----  
Date: Mon, 13 Dec 1999 09:29:23 -0800  
From: Dave Barrett <DBarrett@creo.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>, "'elecraft@qth.net'" <elecraft@qth.net>  
Subject: [57900] Canadian Supplier Didn't stand by W/Tee  
Message-ID: <BFEF3386986D2119C0800A0C99B5DE601186F2B@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

A good friend and older Ham who is currently building a K2 kit, bought a Weller soldering station from a local Canadian Supplier Ridd Electronics on 2nd Ave in Burnaby BC, he had the temperature controlled station 2 days before the tip went completely blue and was obviously no longer maintaining temperature control. He returned the unit and very politely asked for a

replacement, he was sworn at by the store owner and told he'd damaged it, the owner refused to replace the unit and when told it was not new out of the box but was dirty and greasy, he swore even more even in front of other customers.....I suggested my friend get hold of Weller and mention his plight and see what they will do for him, in the meantime Ridd have told him under protest they will give him his money back but he'll have to pay a restocking charge of \$14

Save yourselves some trouble and Please don't buy from Ridd Electronics  
!!!!!!

Dave VE7PCC Vancouver BC Canada

-----  
Date: Mon, 13 Dec 1999 09:29:30 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57901] Norcal Net/QRQpractice net.  
Message-ID: <38552CFA.C0BBF196@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good Day friends.

Folks trickled in on the Norcal net as they finished their evening dinner. We had 5 check-ins and 3 followed down to 7039 KHz for some QRQ Practice.

Due to the dinner conflicts the gang mentioned, I scheduled the QRQp Net for 7:00 PM. (0300Z Monday UTC.)

There were 4 of us in the QRQ net starting at 26 WPM and QSB got us after 38 WPM.

Check-ins:  
K7FD, VE6QSL, NB6M, AB5PC and perhaps one more I forget.

Here were the 3 practice messages we tossed around during QRQ Practice:

- #1) Challenge yourself by designing phased quad loops for HF bands.
- #2) Resonant halfwave dipoles provide for quality and efficient antennas.
- #3) Zepp and extended zepp antennas are categorized by method of feed.

Both nets were a blast. We chatted about 10 meters and also the CQC Snowshoe run contest on 40. I nabbed quite a few contacts on the 40M test in only 50 minutes of operating. I think it was 18 QSO's or so.

It was suggested 80 Meters might be better for the QRQp net due to QSB on 40. I'm unsure at this time. I don't have 80 meters per-se here at my qth. I was hoping 40 Meters would allow stations further east to check in for some practice.

Remember, the qrq net is open to anyone at any speed. We each take turns sending the 3 sentences and pass to the next person. Go at your own speed. Try to increase speed by 2 wpm each round and go as fast as you can at the end, trying to send each letter properly even if you must increase the space between letters. We go around until everyone gets tired -- evident from the number of "Whew!'s that we get :) :)

Hope to see you there.

Norcal: 6PM Sunday (0200Z Monday UTC)  
QRQp : 7PM Sunday (0300Z Monday UTC)

72 to all. Ed/WE6W

--

-72/Ed WE6W; AR Millennium Q's=> 2374/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----

Date: Mon, 13 Dec 1999 09:49:46 -0800

From: David Shalita <af389@lafn.org>

To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>

Cc: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>

Subject: [57902] HB: IC-MT02B info needed

Message-ID: <385531BA.E880BDF3@lafn.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi,

This IC, MT02B, might be an RF PRescaler up to at least 2 GHz?

I found it in a DIGTIAL TV Tuner, working with the MC44817 Controller.



Tuner receives commands from 3 wire serial bus, but not the complex I2C.

Really need datasheet description. Searched Suppliers with PartMiner but found nothing and Interent searches yielded nothing also.

Also, URL's to examples of using PC Parallel port for sending commamnds to serial IC's would be helpful.

Looks like a nice usable Prescaler for QRP Counters or ? when I can figure how to program it.

Thank you for any hints, 73, W6MIK

--

David Shalita (Dave)

af389@lafn.org

Van Nuys, CA

-----  
Date: Mon, 13 Dec 1999 10:07:07 -0800 (PST)

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>

Subject: [57903] CONTEST: 10m

Message-ID: <Pine.GS0.4.10.9912130958050.5073-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Came down with the flu about 4 hours from the end of the contest. Believe me, there is nothing fun about contesting with QRP and a feeling that bad!

But I push on until the end and then went to bed!

Here's the raw results. I'm sure there will be several knocked off due to copy errors. I have trouble with cut numbers!

Callsign Used : KU7Y

Operator : KU7Y

Category : SO QRP CW

Default Exchange : RST NV

City/State/Zip : Washoe Valley, NV 89704

Country : United States

BAND	Raw QSOs	Valid QSOs	Points	Mults	Countries
10CW	565	563	2260	56	47
Totals	565	563	2260	56	47

Final Score = 232,780 points.

This was much better than my effort last year.

And 10m is such a FANTASTIC band for QRP. Condx rule! There is no thrill quite like slipping you call in a nasty pile up and getting the DX station while all those HP folks wait!

Fox hunts help us all in getting the timing down just right!

Sure, the other stations don't know we are QRP but we do and that's what counts!

OK, going back to bed! Wind is blowing....was up to 60+ mph last night.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
 ....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
 .....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
 Date: Mon, 13 Dec 1999 11:21:04 -0700  
 From: Ray Colbert <af852@rgfn.epcc.edu>  
 To: DBarrett@creo.com  
 Subject: [57904] Re: Canadian Supplier Didn't stand by W/Tee  
 Message-ID: <38553910.FB089668@rgfn.epcc.edu>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=us-ascii  
 Content-Transfer-Encoding: 7bit

And make sure your friend files a complaint with the Better Business Bureau and any other watchdog organization he can think of - that type of response is totally uncalled for.

73

Ray

--

"The more I see of the representatives of the people,  
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

-----

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----

Date: Mon, 13 Dec 1999 13:20:37 -0500

From: "AI2Q Alex" <ai2q@ispchannel.com>

To: <KKanalz@excel.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [57905] RE: Keeping your wire antenna in the trees

Message-ID: <000001bf4596\$c1e9d000\$5c32a7d0@ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I find that ordinary red bricks--the type with holes in them--let me  
"adjust" the weight, adding bricks as required. I use a system of halyards  
and pulleys with brick-laden weights at each end and it works FB when the  
big trees start to bend in the wind!

Vy 73, AI2Q, Alex in Kennebunk, Maine QR-L 687

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
Karl Kanalz

Sent: Monday, December 13, 1999 8:20 AM

To: Low Power Amateur Radio Discussion

Subject: RE: Keeping your wire antenna in the trees

Importance: High

Chas,

You can use the techniques shown in your ARRL Handbook. On at least ONE end  
of your wire antenna, support it through a pulley at the tree, running a  
rope from the end of the antenna through the pulley down toward the ground.

At the end of this "support rope", fasten a bucket filled with concrete to keep the antenna in the air and horizontal. As the tree flexes in the wind, the bucket of cement (on that support rope) will rise and fall and keep tension on the antenna wire without breaking it.

Read that handbook!

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: Charles Greene [mailto:cgreene@loa.com]  
Sent: Saturday, December 11, 1999 5:16 PM  
To: Low Power Amateur Radio Discussion  
Subject: Antenna Tree Supports

Hi all,

I need some advise from some of you guys who are using a tree for an antenna support. The wind is pretty high here, and for the second time in two months, my W3EDP antenna broke at the tree. How can I keep it up?

Also, my vertical bent over 20 degrees from the vertical today, so I will have to rotate it 180 deg. so the NW wind will straighten it out again.

-----

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>  
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator  
w1cg@arrl.net

-----

-----

Date: Mon, 13 Dec 1999 12:19:10 -0600  
From: "Frank Krozel" <frank@electronicinstrument.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [57906] FT-7 Power Amplifier help?  
Message-ID: <001e01bf4596\$8eb068c0\$e3b5dccf@kg9h>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi all:

First post here.

I just bought an FT-7, but the PA was removed! The owner stated that the PA was bypassed, and the output is 200mW or so.

While I am an avid QRP'er, I would like to get somewhat more power output.

I believe the original power output was 10 watts or so.

I have thought of the following:

1. Try to rebuild the original PA ( Probably the least desirable )
2. Seek out MFJ, and duplicate their PA from the recent 10 watt radios.
3. Is there a PA "chip" similar to what we use in the two meter rigs?

Frank Krozel KG9H

frank@electronicinstrument.com

-----  
Date: Mon, 13 Dec 1999 11:29:15 -0700  
From: "Mugleston, Brad" <brad.mugleston@gwl.com>  
To: "'TheoWAn9sel@aol.com'" <TheoWAn9sel@aol.com>, qrp-l@lehigh.edu  
Subject: [57907] RE: O-Scopes  
Message-ID: <F9645092A142D3118CBD00805F15292E03CE7ECA@eb-mail1.gwl.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Don't mind at all, I was going to suggest it. I'm afraid a lot of people won't be able to read it as I got it as an attachment so here is the email. THIS IS A FANTASTIC HAM RELATED WEBSITE - IT IS A MUST FOR EVERYONE TO SEE.

de KI00T, Brad

-----  
Brad,  
Check out the web site <A  
HREF="http://hem.passagen.se/sm0vpo/">http://hem.passagen.se/sm0vpo/+++</A> . ( I cannot  
believe I drug and dropped that from my favorite places, just like a  
computer nerd

would do ;-)) I am a diesel mec-can- nick HI HI )

Saw your post on qrp-l about O-scopes. He does have a nice sight about radio,qrp,etc. Plus brewing beer a that stuff. Oh ya and of course an article on O-scopes.

73

Ted de N9SEL

PS All I have is a b/w printer looks good to me.

> -----Original Message-----

> From: TheoWAn9sel@aol.com [SMTP:TheoWAn9sel@aol.com]

> Sent: Thursday, December 09, 1999 5:54 PM

> To: qrp-l@lehigh.edu

> Cc: Brad.mugleston@gwl.com

> Subject: Fwd: O-Scopes

>

>

> Thought that my email to Brad should have been shared with the  
> group.

> Hope you don't mind Brad? :^)

> It's a good site for info even if I wasn't Swedish.

>

>

73

Ted de N9SEL <<

> Message: Re: O-Scopes >>

-----

Date: Mon, 13 Dec 1999 10:31:16 -0800

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [57908] QRQ NET PRACTICE Sentences:

Message-ID: <38553B74.DFE0EACF@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

GAng, I'll be on vacation until 1/6/1999. Going nowhere, just taking a needed break from the job starting this Thursday. My son will be home for the xmas holiday (From the ARMY Airborne MP's.)

Here are the practice sentences for the QRQ Practice net (QRQp) for next Sunday at 7:00 PM (0300Z) on 7039 KHz.

#1) Haffler Amplifiers utilize direct coupling for improved square wave response.

#2) Hiking, camping, bicycling and hang-gliiding

are excellent applications for QRP.

#3) Strategies of successful contestors include  
evaluation of propagation, antenna patterns etc.

See you then. Happy Holidays. 72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2374/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----

Date: Mon, 13 Dec 1999 11:56:15 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: SBillingsley@usaninc.com  
Subject: [57909] Re: HB: Quest for the Perfert QRP Rig Enclosure  
Message-ID: <3855414F.BE36E5AD@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

One I picked up a couple of weeks ago, and got a second last week,  
is a silver coloured box made available by General Foods to hold  
their box (also metallic) of flavoured International Coffee.  
The outer box measures 3 1/8h x 3 1/8w and 4 1/2" long. Removable  
top. Makes an interesting project box.

73

Ray

--

"The more I see of the representatives of the people,  
the more I admire my dogs."  
letter from Count d'Orsay to John Foster 1850

-----

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----

Date: Mon, 13 Dec 1999 13:55:13 -0500  
From: wgabriel@dukeengineering.com  
To: qrp-l@Lehigh.EDU  
Subject: [57910] Wire Antenna Weights  
Message-ID: <85256846.0067F2E6.00@deinet01.dukepower.com>  
Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

On this subject of weights for use with keeping wire antennas taut, I wanted to pass along that I have had good success using 3-liter plastic pop bottles filled with sand as my weights. The rope is just tied around the neck of the bottle. I do put the lids back on too. You could also wet the sand for additional weight I would think, but I have not needed to do that. I have some in places where there is a 1:1 pull-to-weight ratio and one on an antenna leg where the pulley arrangement gives a 2:1 pull-to-weight ratio.

Another advantage is that the smooth shape of the bottles does not get caught up in other things close by.

I have had these in use for over 2 years and they look to have less degradation than the white nylon rope I happened to use as the halyards.

If you need more weight than one bottle may supply, you could tie in multiple bottles one above the other, etc.

So, I got these for free essentially and you can even find them in colors to some degree which may better blend in with your background.

Watson/WB4EXW

-----  
Date: Mon, 13 Dec 1999 11:09:32 -0800 (PST)  
From: Jim Henry <jhenry@west.net>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [57911] NC20 in Pakistan  
Message-ID: <Pine.SOL.3.91.991213110036.28338A-100000@acme.sb.west.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Issue 100 of SPRAT, p.26:

"Thanks to three Epiphyte transceivers for 3.5 MHz, a Norcal 14 Mhz transceiver, and a G3RJV 38 MHz transceiver, all donated via G QRP C, the Larkana Amateur and SW Listeners Club is now thriving and working loads of good DX, especially on 28 MHz QRP SSB."

Thanks to all the great people from G-QRP C and NorCal for making this happen!



73 de Jim KE6WGO

<http://www.qrz.com/callsign.html?callsign=ke6wgo>

-----  
Date: Mon, 13 Dec 1999 13:23:55 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Monte Stark <ku7y@dri.edu>  
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [57912] Re: CONTEST: 10m  
Message-ID: <Pine.LNX.3.95.991213130947.25197C-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Congratulations Ron....well done!....I managed a total of 10 hours on and off throughout the weekend running VE5QRP, 5 watts, mostly SSB but some CW when requested in the ARRL 10 mtr Contest...I used the version 1.0 of Scott, N3FJP, new logging program for this contest....it ran well with one glitch...Scott now has version 1.1 available to take care of the glitch and I downloaded it at noon, moved a couple of files and looks like it recalculated everything.....abt 302 contacts, 85 mults and a score somewhere around 52000 pts if memory serves me....another fine program by Scott and another tool to enhance the joy of QRP!....it sure was a surprise and a thrill to break a couple of pileups during the 10 hours...I was trying to work VK land (VK4UC?) and couldn't get through, when I looked at my WM-2 and realized I was only running 1 watt....maybe because of the frequency change from one end of the band to the other?...so I cranked it up to 5 watts and got through on the first call...oh, here's my score without checking the mults (Scott's pgm does not have all the prefixes in it but the next version will): 10 hrs & 10 min.....302 contacts.....85 mults.....52020 total points and 34 DX countries worked....it has to be a "sick bird" (illegal?) when we're having this much fun!!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"  
"I am da man wit "DAH" paddle!"

-----  
Date: Mon, 13 Dec 1999 13:35:07 -0600 (CST)  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
To: qrp-l@lehigh.edu  
Cc: Brian Buydens <buydens@duke.usask.ca>  
Subject: [57913] HR4K: Ham Radio for Kids update

Message-ID: <Pine.OSF.4.20.9912131328300.21272-100000@duke.usask.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

I have done some more thinking about how I think the Web Site should work. The following is a rough sketch of my plans. I am also designing an initial mockup of the web site and I will post a url for comments.

Here is an outline:

Ham Radio for Kids

Articles

-----

Common to all Articles

Glossary:

- This should contain very short definitions of terms.
- Where applicable the glossary should refer to longer articles.

eg. Volt: A unit of electrical pressure. A volt serves the same purpose for electricity as lbs/in<sup>2</sup> or kPa serves for air pressure. (see article Volts, Amperes and Ohms) The article Volts Amperes and Ohms would have a complete write up on Ohms Law.

Optional for Articles

Extra for Experts:

- For example, an article might talk about CW, AM, FM etc. Then Extra for Experts could talk about PSK etc. (This would also be written at a higher level.)

Related Articles

Demos

- the AM modulation article could have a Java Simulation.

When articles are printed for newsletters we would take the basic article and the brief glossary used by the article.

Web Site

-----

It would have the following headings:

[For Kids][For Teachers][Local Club Info][About]

[For Kids]

- This would go to the main part of the web site and list articles for kids.

[For Teachers]

- This explains how different articles fit into a possible syllabus or unit plan.

[Local Club Info]

- How local clubs could use our website for their local club newsletter
- How to contact us.
- Which clubs are sponsoring kits.

[About]

- Brief bios?

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| Who is General Failure and why is he trying to read my hard drive?      |
+-----+
```

-----

Date: Mon, 13 Dec 1999 14:38:28 -0500  
From: hattonte@gdls.com  
To: qrp-l@Lehigh.EDU  
Subject: [57914] Learning Code  
Message-ID: <OF339E56AA.0C60CD0E-0N85256846.006ACB91@gdls.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

There was a spirited discussion on QRP-L recently about the barriers some people find in breaking through to the elusive 20 wpm code speed. This is commonly given at 25 wpm (Farnsworth) and at that speed, the dit rate (eg. a succession of 5's) has a frequency of about 10-12 Hz, which is right around the alpha rhythm. So maybe what's going on here is what you might call the "Pokemon Effect"!

Also, I've read that a common symptom of minor epilepsy is called an Absence mal, where the individual returns (mentally) after the stimulus is removed, but cannot recall what happened or for how long. Doesn't it sound like this may be what is going on here? Not to say there's any solution, but at least it is an understandable problem. As an Extra friend of mine pointed out, not everybody is equipped to become a concert pianist either!

72 de Terry

KI8JA

-----  
Date: Mon, 13 Dec 1999 10:12:49 -0800 (PST)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [57915] 10M contest & Knightlites Holiday mW test comeing  
Message-ID: <19991213181250.10601.qmail@web705.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

This past sunday I was able to work some 10M mobile and was makeing a QSO a minute useing 200mW.

The equipment was QRP+, WM-2, while parked in my pickup truck. Converted CB 4' antenna for 10M.

I just called the strongest stations at first and that went very easy. The S5 stns were tuffer with 200mW from my end. But going to 400mW almost always got them.

Dont forget the Knightlites Holiday CW event from Dec. 26, to Dec. 28th.

<http://www.madisoncounty.net/~kj5tf/mwtest.html>

See the rules at my webpage, and look around while your there.

72/71's de Jim KJ5TF

=====

Ham radio/alt energy - <http://www.madisoncounty.net/~kj5tf/>  
Milliwatting Editor ARCI QRP Quarterly

AR QRP#2 - Kingston, Arkansas - 35.94N 93.47W

-----  
Do You Yahoo!?

Thousands of Stores. Millions of Products. All in one place.  
Yahoo! Shopping: <http://shopping.yahoo.com>

-----  
Date: Mon, 13 Dec 1999 12:02:38 -0800  
From: Mighty Mik <mitymik@wenet.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [57916] bands must be open...  
Message-ID: <385550F1.F57D69AD@wenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I just worked Hawaii on 6 meters with a bad antenna that's almost on the ground with 8 watts.  
10 and under must be in good shape.

(a new grid square ; ) )

--

\*\*\*\*\*  
72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441  
NC20 SWL40+ ZM-2 DSP-3 rocket scientist and Ten Tec 1208 owner.  
Aeropac #111 Tripoli #3071 Level 2 GRID CM87

-----  
Date: Sun, 12 Dec 1999 23:12:00 -0700  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57917] 10 m contest fun!...MFJ CUB  
Message-ID: <38548E30.4164@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Highlight of my contest weekend was working Japan with my AEA DX Handy running 2 watts pep input. Made one contact with the supplied 4' whip that mounts on the rig. The other contact was made using my homebrew 2 element pvc beam. Think Im going to try a ZL special next.

Ordered a MFJ 15 meter CUB for my Christmas present. But, may not be

here by Christmas. Anyone else order one of these yet?

72, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Mon, 13 Dec 99 15:21:32 -0400  
From: chuck.olson@sbaonline.gov  
To: qrp-1@lehigh.edu  
Subject: [57918] Punching holes in tin box  
Message-ID: <9912131521.A0825wk@sbaonline.gov>  
Content-Type: text

Speaking of tin boxes ;) I finally got a chance to try a hint and kink that Doug, KI6DS, mentioned from the October NORCAL meeting.

I used a hand held paper punch to put nice 1/4 inch holes in the sides of my Altoid tins. This works pretty well although you do need a good firm grip - you can't use it for the top or bottom of the tin, but it works fine for the sides. These 1/4 inch holes are the perfect size for mini switches, pots and jacks.

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press  
<http://jacksonharbor.home.att.net>

-----  
Date: Mon, 13 Dec 1999 12:30:11 PST  
From: Roger Traylor <traylor@ECE.ORST.EDU>  
To: qrp-1@lehigh.edu  
Subject: [57919] FS: GM-15 kit with case  
Message-ID: <199912132030.MAA15725@guille.ECE.ORST.EDU>

Gang,

I have a Small Wonders Lab's GM-15 kit for sale.  
It is still in the bag, unopened and includes a  
really nice black Lansing metal enclosure.

Just in time for Santa and sunspots.

I am asking \$95. This includes shipping within

US. If this is too high for you, make an offer.

Roger Traylor  
WB4TPW

-----  
Date: Mon, 13 Dec 1999 14:47:45 -0600  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: mitymik@wenet.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57920] Re: bands must be open...  
Message-ID: <3.0.2.32.19991213144745.007d97e0@bosshog.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Mick,

Way to go on the 6 meter contact with the islands. On VHF and UHF, it's usefull to give your local time in UTC. Your message does include your grid square and that's good too. Quite often similar conditions repeat in the next 24 hours. So it's nice to know where the propagation is. I missed the opening to Alaska the day before 8^(...

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Mon, 13 Dec 1999 13:30:58 -0800  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'jmb@cruzio.com'" <jmb@cruzio.com>, "'QRP-1 List Server'" <qrp-1@Lehigh.edu>  
Subject: [57921] Re: Solder Station  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F02BE5987@hq-expo2.filenet.com>

Jim,

..did you do an autopsy and find out the cause of death; I had one go south about two months ago and, with some stupendous help from this group (QRP-1), I was able to revive it for 20% of the price of a new (inferior) one.

Bill, K6WHP

-----  
Date: Mon, 13 Dec 1999 16:35:43 EST  
From: K2UD@aol.com  
To: n5ib@juno.com  
Cc: qrp-1@lehigh.edu

Subject: [57922] Re: CONTEST: ARRL 10 m contest  
Message-ID: <0.7cacc440.2586c0af@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

You missed Bob, N4BP? He was probably the loudest signal here in NY!  
Shouldn't have been too tawdry in Texas either.

I'm sure he was only running 5W.

72

Howard Kraus, K2UD

-----  
Date: Mon, 13 Dec 1999 16:59:25 -0500  
From: Mike Maiorana <mikemo@attglobal.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57923] Re: HELP: Grundig YB-400 manual  
Message-ID: <38556C3D.2261EAA3@attglobal.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the offers! What a great group.  
I've got a copy on the way to me now.  
Best regards and 72  
Mike Maiorana, KU4Q0

-----  
Date: Mon, 13 Dec 1999 17:11:32 -0500 (EST)  
From: QRP <qrp@email.com>  
To: QRP-L <qrp-1@Lehigh.EDU>  
Subject: [57924] Learning Code is Easy  
Message-ID: <381021542.945123092141.JavaMail.root@web08.pub01>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm not in agreement with KI8JA on the learning of Morse Code.

The thousands, probably millions, of people who learned Morse Code are proof that it is EXTREMELY easy, even at the 20 word per minute level. It's like anything else in life, if you want it you'll achieve it - even despite physical/mental handicaps and all other obstacles...



Roger J. Wendell  
WB0JNR  
<http://www.rwendell.com>

-  
-----  
FREE! The World's Best Email Address @email.com  
Reserve your name now at <http://www.email.com>

-----  
Date: Mon, 13 Dec 1999 16:49:13 -0500  
From: "Ron Polityka" <wb3aal@talon.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [57925] Re: NC20 in Pakistan  
Message-ID: <005701bf45b3\$e7115ac0\$0be508cf@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I don't know about anyone else but that gives me a good  
feeling inside. I jumped on the wagon and purchased the  
NorCal 20, I have a couple of things I have to finish on it yet.  
But just knowing I helped one other ham in a DX country  
makes me feel good all over!!

Happy Holidays!

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv  
[http://www.kpsnet.com/wb3aal/Start\\_Page.htm](http://www.kpsnet.com/wb3aal/Start_Page.htm)  
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153

VA QRP Society

SETI @ Home Project  
<http://setiathome.ssl.berkeley.edu>  
100 + Work Units Completed

-----  
Date: Mon, 13 Dec 1999 16:10:09 -0600  
From: Kyle Lusk <klusk@bhm vending.com>  
To: "'qrp@email.com'" <qrp@email.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57926] RE: Learning Code is Easy  
Message-ID: <01BF4584.889C2F80.klusk@bhm vending.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

AMEN TO THAT  
KG4BQQ

-----Original Message-----  
From: QRP [SMTP:qrp@email.com]  
Sent: Monday, December 13, 1999 4:12 PM  
To: Low Power Amateur Radio Discussion  
Subject: Learning Code is Easy

I'm not in agreement with KI8JA on the learning of Morse Code.

The thousands, probably millions, of people who learned Morse Code are proof that it is EXTREMELY easy, even at the 20 word per minute level.  
It's like anything else in life, if you want it you'll achieve it - even despite physical/mental handicaps and all other obstacles...

Roger J. Wendell  
WB0JNR  
<http://www.rwendell.com>

-  
-----  
FREE! The World's Best Email Address @email.com  
Reserve your name now at <http://www.email.com>

Date: Mon, 13 Dec 1999 16:16:57 -0600  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [57927] 10m contest and Email callsign server and etc  
Message-ID: <C0DFB43A0D57D311B0170000F8BDCA840AE477@alrsrv02>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

Howdy Elmers of mine:

1. Worked about 100 contacts in the 10 meter contest this weekend (in between making visits as Santa with Mrs Claus along).
2. have to confess it was phone only..... But I did qso with W3ATV who was qrp and clear!!!

Does anyone have the email address of a call sign server? I cannot use the web for a while and have to rely on email. There was one at one time that worked well... just send the call of the station and it spit back the name and address. I'd appreciate any answer. Just post it to the list as others may want it also (if there are no objections..)

Thanks to all for my continuing education.

Steve Brockwell KC5TTY  
100 Keeney Rd.  
Elgin, OK 73538

p.s. DO NOT solder on a K1EL keyer chip..... solder on the socket instead..... you can lose your DAH that way ( .... he said .. speaking from experience!) the problem was the solder-er and not the chip. PICs should not be within my reach.

-----  
Date: Mon, 13 Dec 1999 17:24:47 -0500  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: <qrp@email.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57928] Re: Learning Code is Easy  
Message-ID: <010101bf45b8\$ddeda020\$af451b3f@win98>

Roger Wendell wrote...

"The thousands, probably millions, of people who learned Morse Code are proof that it is EXTREMELY easy, even at the 20 word per minute level. It's like anything else in life, if you want it you'll achieve it - even despite

physical/mental handicaps and all other obstacles..."

I cannot entirely agree with that statement, though some of it is true. No amount of successful Amateurs will ever convince me that the Code is "EXTREMELY easy". It IS another language and requires patience.

The truth in his statement comes in the latter portion of his note..."if you want you'll achieve it-even despite physical/mental handicaps and all other obstacles." There is nothing more true, BUT you have to dedicate time and effort to learning this language and USE what you learn to become proficient at it.

Take it from THIS Ham....I am working on the 20, which is all that separates me from the Extra. I'm getting weary of hearing dahs and dits, but I'm getting closer all the time and I am determined to get this hurdle behind me. The key in all of this is simple. Ask yourself one question, "Am I having fun?" If the answer is yes, you are on the right path. If, however, it is to the negative, may I suggest a new approach? This is supposed to be fun and the members of this list have shown me that an "antiquated" mode like CW still CAN be fun! And I ain't backin' down now!!! ;-)

Vy 72/73,

Erv W8ERV

"One step from the Promised Land..." dit dit

-----  
Date: Mon, 13 Dec 1999 14:45:19 -0800

From: "Radman" <radman@best.com>

To: <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [57929] Weller Stations on Sale !!

Message-ID: <006501bf45bb\$c20a0260\$94dd56ce@vip.best.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

Gang,

If you're looking for a new Weller soldering station, Wassco has both the WES50 and the WTCPT on sale.

The WES50 is: \$84.95 and the WTCPT is: \$79.95 (best prices I've seen.)

BTW, the WES50 replaces the discontinued WCC-100.

Both the WES50 and WTCPT are rated as 'continuous production' stations by

Weller.

On-line at URL: <http://www.wassco.com/was/soleq.html>

Or call Wassco at: 1-858-679-8787 (Sales/Support)

FYI, the WES50 uses the "ET" series Weller tips. The WTCPT uses the "PT" series Weller tips. They do NOT interchange, per Weller. Wassco sells both series of tips... typically ~ \$5.00 ea.

WES50 specs as follows:

- . Cordless Tip Temperature Calibration provides the user with the capability of resetting station temperature readings to variations in tip sizes and styles
- . Quick heat-up and temperature recovery - allows continuous production soldering
- . Slim, comfortable hand piece - reduces operator fatigue
- . Accuracy within 9 F (5 C)
- . Temperature range 350 F - 850 F (177 C to 454 C)
- . ESD Safe to protect sensitive components

WTCPT description as follows:

Select soldering tip temperature simply by changing the heat-sensing soldering tip. A magnetic contact switch and closed loop low voltage circuit control power output to the soldering iron and the tip temperature. Features include a blue static dissipative case and handle to provide ESD protection, a lightweight soldering pencil with built-in heat shield fitted with a PTA7 700 F screwdriver solder tip, a non-burnable silicone rubber cord, and a non-heatsinking iron holder with sponge. UL listed.

I haven't road-tested the new WES50, but it looks like a slick design. And, the WTCPT has been around since solder was invented ;) I doubt you could go wrong with either of these stations, IMO.

As Steve Weber would say, "Melt Solder!"

73,

Conrad - NN6CW -- \*not\* a sales rep for Weller or Wassco :-))

-----

Date: Mon, 13 Dec 1999 22:54:03 +0000  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: klusk@bhm vending.com, QRP-L <qrp-l@Lehigh.EDU>  
Subject: [57930] Re: Learning Code is Easy  
Message-ID: <3855790A.EE1E3D6F@worldnet.att.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The more precisely correct statement is: As millions of people have learned Morse Code proves that most people can do it with varying degrees of effort. Like a foreign language, some people learn it with less effort than others.

Operating at 20 WPM is HARD for almost everyone. 20 WPM is what keeps most U.S. Hams from getting their "Extra" license. If 20 WPM was easy there would be tens of thousands of additional "Extras."

Morse Code above 10 WPM is not EXTREMELY EASY except for a very few people who have special ability to learn it, just as some very few people can learn how to play a piano with relative ease.

Cheers,

Tom, N1TP  
Naples, Fl.

>  
>

-----

Date: Mon, 13 Dec 1999 14:58:29 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57931] Re: Learning Code is Easy  
Message-ID: <38557A15.8FA58FD4@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I think it all comes down to practice and effort though I do believe most people try to learn the code alone, and perhaps the statement should be "practice and effort under known effective training conditions." I think one of my professional horseshoe pitching friends stated once that "Perfect practice makes perfect". My suggestion is that if you are failing to meet your goals, perhaps the method of training is not ideal.

I offer up to you to visit the QRQ practice net and give it a try. No one laughs, we are all

in this together and just as 20 WPM is a distant reality to some of you, I find 45 WPM on a paddle to be my goal. Once achieved, I get to start over at 25 WPM and try to get above 40 wpm on the Vibroplex bug! Different speed ranges, same goals and needs. Same boat.

We need more rowers in this boat. Averaging 3 operators to practice QRP is obviously not a majority of hams. Bring your 13 WPM ragchew speed and 20+ wpm wishlist to the qrp net and see what that paddle can do with you at the helm.

QRP Net: Sunday 7 PM Pacific, (Monday 0300Z UTC).

see earlier post for additional details.

--

-72/Ed WE6W; AR Millennium Q's=> 2374/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----

Date: Mon, 13 Dec 1999 16:58:32 -0600

From: "Ed Manuel (N5EM)" <n5em@flash.net>

To: qrp-l@lehigh.edu

Subject: [57932] Re: Balanced Feedlines

Message-ID: <4.1.19991213165804.009c8c70@pop.flash.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 01:32 PM 12/13/99 +0000, you wrote:

>So .....

>

>What are you telling us? USE A PROPER FEED LINE? or this will work just fine  
>but nobody will hear you. This works best at the sea shore? This is NOT for  
>field day?

What these experiments have show us is that there is no such thing as a free lunch.

Given the numbers that Charlie has demonstrated for only one configuration, it's clear that if your dipole matches the feedline, it's not too bad. That said, MOST of the time, that will not be true. If you can live with half your power heating the line, OK (actually, some times you probably can).

But, since this group is all about low power operating and since many are constantly pushing back the envelope of what LOW power really is, most of us shudder at the thought of 3 db. of feedline loss and UP.

Doug's experience is really germane. Using his NC-20 (around 5 watts) and his little ribbon cable doublet he makes lots and lots of contacts. Of course, we all know that 1 or 2 watts on 20 meters will produce lots and lots of contacts. So, in that case, the loss is not necessarily a factor. It's still there - he just has enough power to overcome it.

So, if using a little dipole fed with speaker wire, computer ribbon cable, zip cord or any other SUBSTITUTE for good quality feedline gets you on the air and you can have fun making Q's, THEN DO IT. But, if you can use real feedline, especially something low loss like 450 ohm ladder line, open wire line, or a match antenna and coax, you will be running a much more efficient operation able to do more with less.

So, the definitive answer to the question of using R/S speaker lead for your feedline is . . . . . "It depends."

But you knew that was coming, right :-)

Ed, N5EM

-----  
Date: Mon, 13 Dec 1999 17:10:41 -0600  
From: "Michael A. Newell" <wb4huc@texas.net>  
To: n0bs@compaq.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57933] Re: DX394 Manual  
Message-ID: <38557CF1.4A8E2BAF@texas.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The DX-394 manual (along with a lot of other manuals) is available on-line from the Radio Shack web site.

The URL for the DX-394 manual is:

[http://support.tandy.com/support\\_electronics/19323.htm](http://support.tandy.com/support_electronics/19323.htm)

72,

--

Michael A. Newell - WB4HUC  
Austin, TX  
QRP-L 1668  
FISTS 6745  
<http://wb4huc.home.texas.net>



-----  
Date: Mon, 13 Dec 1999 18:14:49 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <qrp@email.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [57934] Re: Learning Code is Easy  
Message-ID: <0ff701bf45c2\$add43200\$9001a8c0@wn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I'm not in agreement with KI8JA on the learning of Morse Code.  
>  
> The thousands, probably millions, of people who learned Morse Code are  
proof that it is EXTREMELY easy, even at the 20 word per minute level.  
It's like anything else in life, if you want it you'll achieve it - even  
despite physical/mental handicaps and all other obstacles...  
>  
> Roger J. Wendell

You know, that's not the issue. I learned it, so it HAD to be easy,  
right?  
I mean, if a dumb pollock like me...

I learned it, then let it atrophy, and now I regret that, and am  
working  
to get it back.

But I don't care if it's the easiest skill in the world. Why should a  
NEW  
prosecutive HAM candidate HAVE to learn it? What makes that  
so magical? I mean, it was started (the 'requirement') SPECIFICALLY  
to keep people out of HAM radio and the numbers down. (An ARRL  
director back in the 30's or so specifically proposed it to the FCC to  
keep the number of new HAMS controllable. I recall the guys name  
was Desoto.)

But, this is going to degenerate into another one of those wars, I can  
feel it now.

Mike

-----  
Date: Mon, 13 Dec 1999 17:27:49 -0600

From: mjfitz@uswest.net  
To: qrp-1@Lehigh.EDU  
Subject: [57935] How CW on FM?  
Message-ID: <385580F5.CCA1C7E5@uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ops,

Local club here has several people that want to get on CW. They asked me to come up with a circuit to inject a CW tone into an FM rig. I figure a twin-T oscillator with a trimmer on the audio line might do it, but know there are some proven, published designs for doing this... Anybody got one?

Many thanks friends,  
Mike NOMF

-----  
Date: Mon, 13 Dec 1999 23:21:46 -0600  
From: Richard Matthews <prm@hiwaay.net>  
To: qrp-1@Lehigh.EDU  
Subject: [57936] Re: Learning Code is Easy  
Message-ID: <3.0.1.32.19991213232146.00b584a0@hiwaay.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:54 PM 12/13/99 +0000, you wrote:

>  
>Operating at 20 WPM is HARD for almost everyone. 20 WPM is what keeps  
>most U.S. Hams from getting their "Extra" license. If 20 WPM was easy there  
>would be tens of thousands of additional "Extras."  
>Morse Code above 10 WPM is not EXTREMELY EASY except for a very  
>few people who have special ability to learn it, just as some very few people  
>can learn how to play a piano with relative ease.  
>Cheers,  
>Tom, N1TP  
>Naples, Fl.

.....  
Learning varies with the individual, that's for sure. There is something that is factual and applies to all, the CW test now are much, much easier now than they were a few years ago. I passed the multiple choice 20 WPM CW test on the first try, but there is no way I could have passed the "one

minute error free copy test" of a few years ago. That would mean 100 characters, letters, numbers, and punctuation without missing a single one . . . . no way for me even today. I can copy pretty good with a pencil, but my hang up is learning to copy in my head. I can do it for just a few words and then I wipe out for many words before I can get going again. I can copy full copy in my head at 13-15 WPM but 20 is another matter.

Also, passing the general theory test at age 16 was more of an achievement for me than passing the Extra test at 50. One's knowledge and confidence base at 16 is quite a bit below what it should be at midlife.

All you CW QRP'ers deserve a pat on the back for what you are doing for ham radio. CW QRP is a perfect reason for a new ham to want to get good at CW. I've been in and out of the hobby for almost 40 years and it thrills me to hear new ops slowly, painfully trying to communicate with their new language at 5 WPM. And my 300mw and 2 watt contacts mean more than any big power contact I ever made, especially if the ham on the other end is QRP also. Believe it or not, my first contact with my newly built Tuna Tin 2 was with a ham who was also getting his first contact on his newly built Tuna Tin 2 . . . . .that's like a hole in one to a golfer or a 15 pound bass to a fisherman.

Richard, WA4NWW (Old ham, new passion)

-----  
Date: Mon, 13 Dec 1999 15:49:38 -0800  
From: neil <neil@aade.com>  
To: radman@best.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57937] Re: Weller Stations on Sale !!  
Message-ID: <38558612.638F4E60@aade.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A local friend refurbishes Weller soldering stations and I am selling them for him.  
Model WTCP with new heating elements and tip. Near new condition \$49.95  
<http://www.aade.com/solder.htm>

--  
Neil  
<http://www.aade.com>  
<mailto:neil@aade.com>  
Almost All Digital Electronics  
1412 Elm St. SE  
Auburn, WA 98092  
253-351-9316

-----  
Date: Mon, 13 Dec 1999 17:37:49 -0600  
From: "Mike D." <hrg@megsinet.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57938] RE: How CW on FM?  
Message-ID: <000301bf45c3\$10f08280\$69ccd6d8@urbancom.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Try this link taken from my Morse Links page:

<http://www.geocities.com/SiliconValley/2775/mcwintro.html>

73 de Mike, N9BOR  
FISTS NR 4594  
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.  
My designated driver is a 12BY7A.  
I want to party like it's 1969.  
Solid State leaves me cold.

> Local club here has several people that want to get on  
> CW. They asked me to come up with a circuit to inject a CW  
> tone into an FM rig. I figure a twin-T oscillator with a  
> trimmer on the audio line might do it, but know there are  
> some proven, published designs for doing this... Anybody  
> got one?

> Many thanks friends,  
> Mike NOMF  
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End of QRP-L Digest 1668

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